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Normal Bulletin



1913-1914-1915



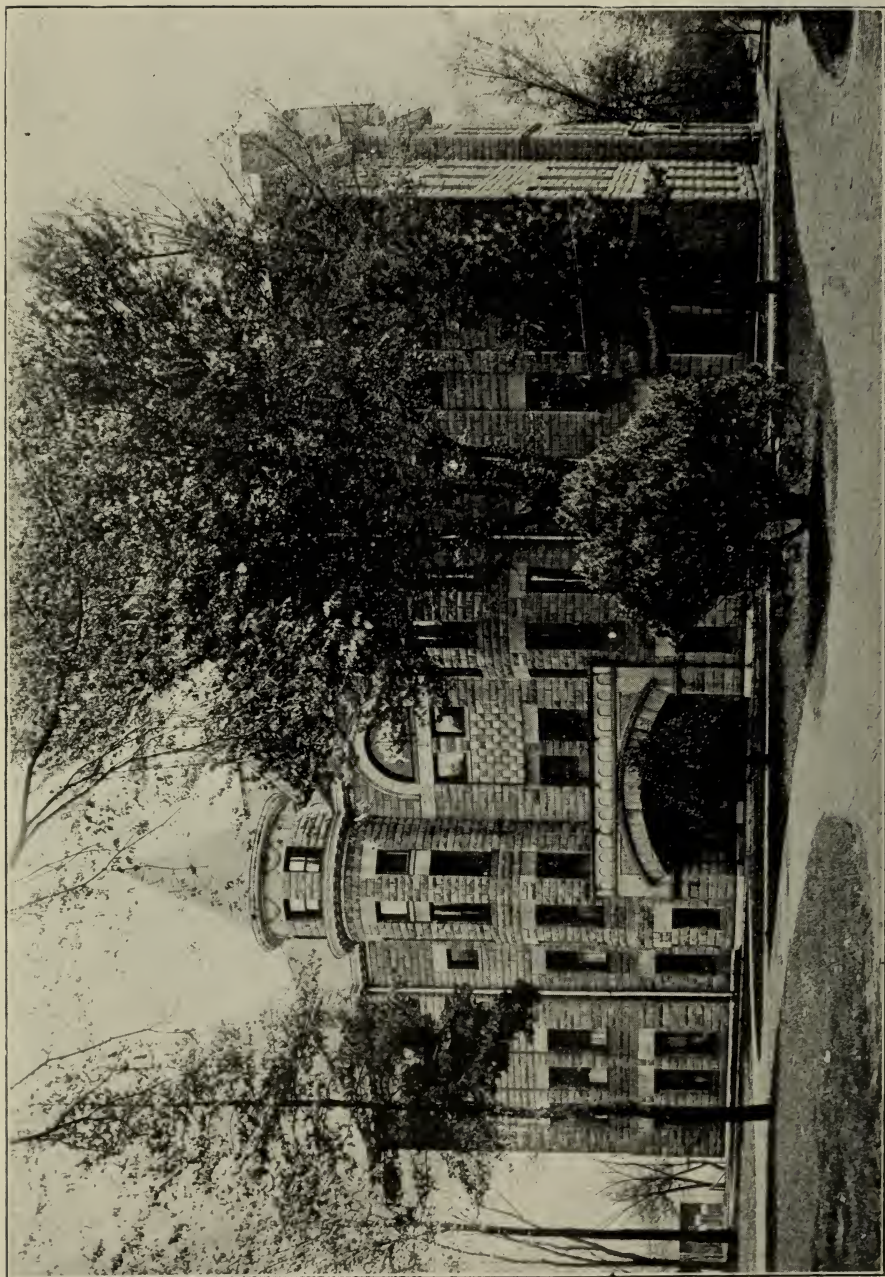
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State Normal School

Warrensburg, Missouri



DOCKERY GYMNASIUM

BULLETIN

AND

FORTY-FOURTH ANNUAL CATALOGUE

OF THE

State Normal School

Second District of Missouri

1914-1915

Established by an Act of the General Assembly—1871.

Organized May 10, 1871.

Published by the State Normal School

ISSUED QUARTERLY

CALENDAR

1914

1915

JANUARY

JULY

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JANUARY

JULY

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FEBRUARY

AUGUST

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MARCH

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MARCH

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APRIL

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MAY

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MAY

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JUNE

DECEMBER

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BOARD OF REGENTS

HON. WM. P. EVANS, State Superintendent of Schools.....Ex-Officio

Term expires January, 1915.

DR. L. J. SCHOFIELD Warrensburg

OSCAR C. BURCH Jefferson City

Term expires January 1917.

C. A. KEITH Lexington

G. W. FOSTER Warrensburg

Term expires, 1919.

J. T. MURPHY Windsor

JUDGE N. M. BRADLEY Warrensburg

OFFICERS

CHAS. A. KEITH President of Board

J. T. MURPHY Vice-President of Board

MARCUS YOUNGS Treasurer of Board

WM. J. HAWKINS President of School

DR. L. J. SCHOFIELD Secretary of Board

ERRATTA

Page 5, Department line "Biology" omitted before Richard A. Gantz.

Page 5, Department line "Economics" omitted before Waltter E. Morrow.

Page 9, Department line "Household Economics" omitted before Elizabeth Nowell.

Page 44, Teacher's Course in English is No. 12.

Page 50, Academic Department "Biography" should be "Biology".

Page 62, Course 15, History of Education in Missouri.

Page 76, Course 4, "Heat". Period after thermodynamics.

Page 84, Advanced Drawing No. 8, should be No. 1. "Brush and Pencil Sketching.

Page 88, Course No. 10, "Textiles" omitted.

CALENDAR

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MARCUS YOUNGS Treasurer of Board
WM. J. HAWKINS President of School

NORMAL CALENDAR

Fall term begins	Tuesday, Sept. 8, 1914
Fall Term ends	Friday, Nov. 17, 1914
Winter Term begins	Monday, Nov. 30, 1914
Winter Term ends	Friday, Feb. 16, 1915
Spring Term begins	Monday, March 1, 1915
Spring Term ends	Thursday, May 17, 1915
Summer Term begins	Tuesday, June 11, 1915

HOLIDAYS

Thanksgiving Recess	Nov. 26 to Nov. 30, 1914
Christmas Vacation	Dec. 24, 1914 to Jan. 5, 1915
Easter Vacation	April 2 to April 13, 1915

NORMAL DISTRICT EVENTS

Inter-High School Scholarship Contest	April 15, 1915
Inter-High School Declamatory Contest	April 16, 1915
Inter-High School Latin Contest	April 17, 1915
Inter-High School Track and Field Meet	April 17, 1915

COMMENCEMENT EXERCISES

Annual Sermon.....	Sunday, May 23, 1915
Class Day Exercises	Tuesday, May 15, 1915
Alumni Class Day Exercises and Reunion	Wednesday, May 16, 1915

FACULTY

WM. J. HAWKINS,

President of Faculty.

Ph. B. LL. D., Missouri Valley College.

AGRICULTURE

HARRY A. PHILLIPS,

Professor of Agriculture and Geography.

B. S., A. B., University of Missouri; graduate work in Manhattan Agricultural College and Cornell University.

BENJAMIN A. PRATT,

Associate Professor in Agriculture and Director of Demonstration Farm.

B. S., Kansas State Agricultural College.

CHEMISTRY, PHYSIOLOGY AND HYGIENE

FRANCIS M. WALTERS,

Professor of Chemistry and Physiology.

A. M., University of Indiana; graduate student in University of Chicago.

RICHARD A. GANTZ,

Professor of Biology.

A. B., Michigan University.

WALTER E. MORROW,

Professor of Economics.

A. B., Warrensburg State Normal School.

EDUCATION

C. A. PHILLIPS,

Head of Department of Education and Dean of Faculty.

A. M., University of Chicago; additional graduate work in University of Chicago.

C. A. McPHEETERS,

Associate Professor of Education.

A. M., Westminster College; graduate student University of Leipzig; University of Chicago.

PAULINE A. HUMPHREYS,

Assistant in Education.

Pd. B., Warrensburg State Normal School; student University of Chicago.

C. B. HUDSON,

Associate Professor of Education.

B. S., A. B., University of Missouri; additional graduate work in University of Chicago.

ENGLISH, LANGUAGE AND LITERATURE.

VINCIL C. COULTER,

Professor of English.

A. M., Brown University; additional work in University of Chicago.

LUCY AUSTIN BALL,

First Associate Professor of English.

A. M., Central College, Lexington, Mo.; graduate student in Chicago University.

C. F. MARTIN,

Associate Professor of English.

A. M., Brown University; additional work in University of Chicago.

ANNA MARIE TODD,

Associate Professor of English.

Ph. B. University of Chicago.

ANNA BRYAN

Assistant in English.

A. M., Brown University.

C. E. AYERS,

Assistant in English.

A. M., Harvard University; graduate work Brown University.

FRENCH AND GERMAN

ANNIE GARDNER HARRIS,

Professor of French and German.

A. B., University of Kansas; graduate student University of Kansas.

HISTORY

E. L. HENDRICKS,

Professor of History.

A. M., Indiana University; additional graduate work at Harvard.
Fellow in University of Chicago.

LAURA L. RUNYON,

First Associate Professor of History.

Ph. M., University of Chicago.

H. H. BASS,

Associate Professor of History.

M. Litt., University of Wisconsin; A. M., Harvard.

C. H. McCLURE,

Associate Professor of History.

A. M., University of Missouri.

LATIN AND GREEK

Professor of Latin and Greek.

MATHEMATICS

JAMES H. SCARBOROUGH,

Professor of Mathematics.

Ph. D., Vanderbilt University; graduate work at Chicago University.

MARY ANNE KENNEDY,

First Associate Professor of Mathematics.

Graduate State Normal School, Cortland, N. Y.; advanced work in Cornell University.

ELIZABETH T. NICKERSON,

Assistant in Mathematics.

Ph. B., Warrensburg State Normal School.

FRED W. URBAN,

Associate Professor of Mathematics.

A. B., Missouri University.

PHYSICS

WILSON C. MORRIS,

Professor of Physics.

Ph. D., Illinois Wesleyan University; graduate student University of Chicago, and Cambridge University, England.

TRAINING SCHOOL

GEORGE R. CRISSMAN,

Superintendent of Training School.

A. B., University of Kansas; graduate work at Harvard, University of Chicago and Columbia University.

AGNES KIRK,

Supervisor of English, German and History in High School.

Pd. M., Warrensburg State Normal; graduate Student University of Chicago.

MABEL ARNETT,

Supervisor of Grammar Grades.

Teachers' College, Columbia University, N. Y.

MABEL M. RICHARDS,

Supervisor of Mathematics in the High School.

A. M., University of Missouri.

EDITH FLORENCE PERKINS,

Supervisor of Intermediate Grades.

Graduate of State Normal School, Buffalo, N. Y.

ROSE B. DENNIS,

Supervisor of Primary Department and Instructor in Primary Method

Pd. M., Michigan State Normal School.

JULIA SCOTT,

Director of Kindergarten and Instructor in Kindergarten Theory.

Graduate of Kindergarten Normal, Galesburg, Illinois.

GLADYS ANDERSON,

Supervisor of Technical Subjects.

Graduate of Pratt Institute, Brooklyn, N. Y.

DEPARTMENT OF TECHNICAL SUBJECTS

COMMERCE

H. G. ELLIS,

Head of Department of Commerce.

Graduate of Cedar Rapids Business College.

DRAWING

ELIZABETH SHANNON,

Director of Drawing.

Graduate of Pratt Institute, Brooklyn, N. Y.

MAYME B. HARWOOD,

Associate Professor in Art.

Graduate of Pratt Institute, Brooklyn, N. Y.

MANUAL TRAINING

AUGUST AHRENS,

Director of Manual Training.

Graduate of Pratt Institute; graduate student in Harvard University, Clark University and University of Illinois.

ELIZABETH NOWELL,

Director of Home Economics.

A. B., B. S., in Home Economics, University of Missouri.

LETA ESTELLE HARSELL,

A. B., in Home Economics, University of Kansas.

MUSIC

WM. SOLOMON,

Director of Music.

Student, Tonic-Sol-Fa College, London; graduate New School of Methods, Chicago.

MARGARET L. JAMES,

Instructor in Public School Music.

Graduate of Arens School of Music, New York City; post-graduate under Carl E. Dufft, New York City; student Columbia University.

CLARA HINDSELL,

Instructor in Public School Music and Piano.

Graduate of Bethany College, Lindsborg, Kansas, and American Conservatory, Chicago.

R. J. MEYER,

Instructor in Theory and Director of Band.

B. M., Strong's College of Music.

PHYSICAL EDUCATION

FORREST C. ALLEN,

Professor of Physical Education.

D. O., Central College of Osteopathy; student University of Kan.

CHRISTENE H. SMITH,

Instructor of Physical Education for Women.

Graduate New Haven Normal School of Gymnastics.

MAMIE TOMLINSON,

Assistant in Physical Education for Women.

Graduate of the Sargent School of Physical Ed., Cambridge, Mass.

OTHER OFFICERS

MARY V. NEET,

Dean of Women.

Warrensburg State Normal School.

ALICE LEDLIE BLAIR,

Librarian.

A. B., B. L. S., University of Illinois.

EFFIE M. SHRYOCK,

Assistant Librarian.

Graduate Indiana Library School.

LEESON HAY COOK,

Assistant Librarian.

A. B., Warrensburg State Normal School; graduate Chicago University.

G. E. HOOVER,

Registrar.

MAUDE CAMPBELL,

Secretary to President.

R. H. KENAGY,

Superintendent of Buildings, Grounds, Heating and Janitor Service.

FACULTY COMMITTEES

The first person named on each committee is chairman and President of the Faculty is ex-officio member of each committee.

STANDING AND CLASSIFICATION: C. A. Phillips, Hendricks, Scarborough, Crissman, Coulter, Harris, Morrow, H. A. Phillips.

CERTIFICATION AND GRADUATION: Hendricks, Kennedy, C. A. Phillips, Shannon, Todd, Gantz.

ALUMNI AND HISTORY OF SCHOOL: H. A. Phillips, Harris, Kennedy, Nickerson, Harwood.

ATHLETICS: McClure, Allen, Martin, Ellis.

CHAPEL EXERCISES: Morrow, Bryan, Walters, Solomon, James.

CARE OF BUILDINGS AND GROUNDS: Walters, Ahrens, Allen, Neet, Nowell.

DEBATE: Coulter, Martin, Runyon, Morrow, Ayers.

DISCIPLINE: Morris, Scarborough, Hudson, McClure, Neet.

CATALOG AND REPORTS: Crissman, Morris, Runyon, Ball.

RECOMMENDATIONS AND POSITIONS: Scarborough, C. A. Phillips, Crissman.

STATISTICS: McPheeters, McClure, Humphrey, Kennedy.

CORRESPONDENCE COURSES: Hendricks, Martin, Harris.

LECTURE COURSE AND ENTERTAINMENT: Urban, Coulter, Solomon, Shannon, Bass, Hudson, Todd.

Duties and Powers of Committees

SUSTAINING DIRECT RELATION TO STUDENTS.

Standing and Classification.

1. This committee shall determine the value of any work done in other schools or of any work not specifically determined by the present course of study, when such work is offered for advanced standing or for graduation
2. It shall furnish to the recording official a statement of credits allowed.
3. It shall prepare the daily programs for each quarter.
4. It shall enroll and classify all students.
5. It shall see that a full and correct roll of students be kept in the office of the Registrar.
6. It shall see that the grades made by students each quarter are duly reported to the recording official.

Certification and Graduation.

1. It shall collect each quarter a list of names of students applying for certificates or for graduation, and ascertain whether such applicants have complied with the required conditions.
2. It shall see that certificates and diplomas are provided, filled out and signed for all fully accredited applicants.
3. It shall supervise the keeping of a permanent record of all students receiving certificates or diplomas.
4. It shall have general supervision of graduation exercises and the arrangement of the program, and the selection of class speakers must have its approval .

Athletics.

1. This committee shall have general supervision over all athletic games, exhibitions and contests, and shall have control over the arrangements for such games, exhibitions and contests with other schools or associations.
2. It shall decide what candidates for membership on teams or for admission to athletic games, exhibitions and contests shall be eligible, and it shall exclude from participation those whom it finds below the standard in their studies, or ineligible for any other cause.

Debate.

1. This committee shall advise with all the students in all important matters connected with debate, oratory and declamation.

2. It shall control all arrangements for contests in debate, oratory and declamation, and all arrangements for such contests with other institutions shall be made only by and with the consent of this committee.

3. All productions for such contests shall be prepared and presented in conformity with the rules and regulations of this committee.

Discipline.

1. This committee shall have charge of the general discipline of the school, including the order of the halls and about the buildings.

2. When asked to do so, it shall advise with and assist teachers with reference to individual cases or special regulations for discipline and may inflict punishment to the extent of limited suspension from the school.

3. It shall investigate and report upon all cases requiring faculty action.

Lectures and Entertainments.

1. The committee shall select and contract for all lectures and entertainments for the regular Normal Lecture Course.

2. All entertainments, excepting those which come under the control of other regular committees, must receive the approval of this committee and be subject to its regulations before they shall be permitted to take place in the chapel.

3. All entertainments that are to take place in the chapel must be scheduled by this committee.

Recommendations and Positions.

This committee assists graduates and qualified students to secure positions to teach, and aids school officials in procuring teachers.

It collects complete and accurate information respecting all applicants for positions to teach who ask the assistance of the committee.

It seeks to recommend candidates best suited to fill vacancies and not to send out general letters of recommendation.

School authorities who write the committee will have full and confidential information in regard to applicants.

School officers are cordially invited to visit the Normal School to inspect the work of those whom they may wish to secure to fill positions. Correspondence is invited from boards, principals and superintendents in regard to vacancies and teachers. This information will be treated in full confidence, and all possible assistance will be gladly given.

While the chief work of the committee is to help the students who are in attendance, yet it will be the purpose to lend assistance to graduates and former students in securing more satisfactory positions. To this end the full co-operation of Alumni and former students is earnestly desired. Write to the committee when in need of a teacher. Supply information concerning vacancies.

All correspondence in regard to location of teachers should be addressed to the Committee on Recommendations and Positions.

STATE NORMAL SCHOOL SECOND DISTRICT

Historical.

The Second Normal School District was established by act of the General Assembly, approved March 20, 1870. The commission appointed by the Governor of the State to locate the school selected Warresnburg, the county seat of Johnson county, April 27, 1871. In consideration of such selection, Warrensburg and Johnson county deeded to the state a tract of land containing sixteen acres for a campus and voted municipal and county bonds to the amount of one hundred and seventy-three thousand dollars, the proceeds from the sale of said bonds to be used in the erection of a Normal School building.

Immediately following the location of the school, a Board of Regents was appointed by the Governor. This board at once elected a faculty, consisting of Dr. Geo. P. Beard, president; Prof. E. A. Angel and Miss Lucy Jane Maltby, instructors; and on May 10, 1871, the school was formally opened in a rented building with thirty students in attendance.

During the first ten years the school labored under tremendous difficulties. The meager appropriations made by the Legislature were wholly inadequate for the completion and proper equipment of the building and for the employment of the needed corps of teachers; also, an interest in the school and its special function of training teachers had to be aroused and its existence justified in the minds of many persons. Yet, in spite of these difficulties, there was an average annual attendance of 381 students during the first decade of its existence, 1871 to 1881.

During the decade, 1881 to 1891, the average annual enrollment was 542, and for the period from 1891 to 1901 the average annual attendance grew to 866. Average 1901-11, 1,460. This gratifying growth continues unabated, the number enrolled for the current year, 1913-14 being 2,200, exclusive of students in the Training School. Probably no other Normal School in the country has had a steadier or more substantial growth and development.

The Faculty has grown from three members, constituting the first organization, to fifty-four members, the number employed for the next scholastic year. Of this number none are substitutes or student teachers, but all are men and women whose scholarship and experience especially fit them for the work for which they have been employed.

As a result of the forty years' labor of this institution 6,278 men and women have been licensed to teach in the public schools of Missouri. Of this number 3,480 have received the Regents' Certificate, a two years' license to teach in Missouri, and 2,084 have received the diploma, a life license to teach in the public schools of Missouri.

The influence of the school on the educational progress of the state and its work in developing the type of citizenship that makes the Missouri of today a rich and prosperous commonwealth cannot, of course, be definitely estimated, but that it has been a potent factor is beyond question.

Buildings.

The corner stone of the main building, 160 by 80 feet, three stories high, was laid August 16, 1871, and in June 1872, the first story was completed and ready for occupancy. But the building, as at first projected, was not completed until the summer of 1881. It is of brick and stone and is an imposing structure.

During the years 1885 to 1886 a wing 66x116 feet was erected south of the center of the main building, and connected with it by a short corridor. This improvement provided greatly increased accommodations for the Training School Department and added six large rooms, two cloak rooms and an Auditorium

to the Normal Department. The General Assembly, in 1895, made an appropriation of \$30,000 for the erection of a Science Building. This building 92x122 feet, three stories high, substantially built of native sandstone, and joins the main building by a corridor on the west. It contains four laboratories, several school rooms, the library, and administration offices.

The General Assembly of 1903 made an appropriation for a gymnasium. The Board of Regents erected a thoroughly modern building of the famous Johnson County sandstone. It is the most beautiful building on the campus. It contains a gymnasium especially equipped for women and another for men, occupying an entire floor. Also a bowling alley, locker rooms, bath rooms, Y. M. C. A. and Y. W. C. A. halls, offices and physical testing rooms for physical directors, and rooms for literary societies.

An additional appropriation was made by the same General Assembly, of \$22,00 for the erection of a new heating plant, with a second story, for the Manual Training Department. Five rooms of the building have been equipped and devoted to the use of that department.

The General Assembly, in 1907, again came to the aid of the school with an appropriation for a Training School building. It is built of native sandstone, is directly south of the main group of buildings and connected by a corridor. This building contains thirty-five rooms, well arranged and equipped for work. The entire first floor is occupied by the Departments of Drawing and Household Arts of the Normal School classes, and the second and third stories by the Kindergarten, the Elementary School and the High School.

Location.

The fact that for forty-three years Warrensburg has been one of the active educational centers of the State, has not been without influence upon the town, and the intellectual atmosphere is that which characterizes our best college towns, the school being easily the central interest of the community. Warrensburg is a town of homes, and the town's people are in every way hospitable toward the student body. Most students board under home influences and enjoy home conveniences. The churches

welcome students as an actual force in their services, and a large per cent of the faculty and student body are engaged in religious work.

Pertle Springs one of the most charming summer resorts in the State, is but one mile from the campus. A great number of religious, political and social conventions and meetings occur here each year, and afford the students opportunities, especially in the summer time, to hear distinguished speakers, that otherwise they would in all probability never hear.

Purpose of the School.

It is axiomatic that a just and efficient government must be controlled and administered by the educated; hence, the genius of our government implies an educated citizenship. Missouri in common with most of the American states, realized, practically from its founding, the necessity of an educated citizenship. This attitude of the State towards the instruction of its people makes it the one competent agency in supplying qualified teachers for its schools. The State of Missouri does this through its public Normal Schools, whose function is the education and preparation of teachers for the schools of the State. The Revised Statutes of 1899 declare the Normal Schools to be established to fit young men and young women to be "Competent teachers in the public schools of the State." In the same statutes the public schools of the State are defined to be elementary schools and high schools, and provision is made for the support and control of the one class of schools as much as the other; so it is incumbent upon the Normal School to provide education and training of teachers for both classes of schools.

It has been correctly said, "The State Normal School is not an institution for general culture for its own sake; it is a special school—a professional school. Its purpose is to confer on its students that education, discipline, professional training and practical skill which will best fit them for teaching in the public schools of the state." A Normal School being characteristically professional, the dominant interest centers in that training which the school affords to those preparing to be teachers. This school is especially organized for professional work in its departments

of Psychology, Pedagogy and in the Training School, and all other departments are auxiliary to these.

The Training School applies the professional knowledge of the Departments of Psychology and Pedagogy in actual teaching by the students in the Kindergarten, the Elementary School and the High School. These three departments constitute the three division of the continuous process in the professional preparation of a teacher.

Academic and technical preparation must of necessity proceed along with or before professional instruction. The academic instruction of a Normal School must be exact, thorough, broad. The student of a Normal School is thoroughly grounded in the subjects he is to teach, and more, his courses must extend beyond public school subjects, to give the broader outlook for sources of material and clearer insight into methods and means of investigation. With the claims now made upon the schools for industrial and vocational instruction, the Normal Schools cannot be less exacting or extensive in the study of the special or technical subjects. In all departments of instruction this school does not lose sight of the fact that it is a professional school—that its work is that of training teachers. The attitude of the teacher to subject-matter is not forgotten. The student is constantly made to realize that the method of acquiring knowledge is of importance as well as the plans for imparting information.

It is believed that in following the plans thus set forth this school can hope for a reasonable success in carrying out the purpose of a State Normal School—that of fitting “young men and young women to be competent teachers in the public schools of the State.”

The Government of the School.

In the government of the School, the largest liberty consistent with good work and order, is allowed. The disciplinary power of the institution is brought to bear upon the student only to bring him to a rational understanding of freedom, and to lead him to such self-government as will make him capable in the future of wisely governing others who shall become his pupils.

It is, therefore, the policy of the administrative authorities to ask any student who does not conduct herself or himself in all things as becomes a lady or a gentleman, or who is found not to be adapted to school work for other reasons, to withdraw from the institution.

EQUIPMENT

The working equipment of the school is sufficiently complete to insure to students in every department opportunity to do work with good system and to good advantage.

The Library and Study Halls.

The library has a good working collection of over 22,000 volumes, supplemented by 5,000 classics. The books are arranged according to the Decimal classification, and a card catalogue makes them easily accessible.

The reading room is large and well lighted. Its walls are decorated with carefully selected pictures. Recent additions consist of shelves along one side of the room and pigeon-holes for periodicals on the other side. These open shelves make the reference books readily available for students' use. There are about 1,000 books thus made accessible for students. They include encyclopedias, dictionaries, periodicals and reference books on all subjects. The periodical indexes are to be found in the reading room and form a valuable aid in looking up information on current topics.

The well lighted rest room for women is near the main study hall and serves many of the women as a study room.

All the Normal School Buildings are equipped with excellent lighting facilities. This contributes greatly to the convenience and efficiency of the library, since it is very desirable for students to study in the reading room at night. The addition of several thousand new books has given excellent opportunity for examining the valuable recent contributions in many fields.

The Assembly Halls.

The School is well supplied with assembly halls. All of these are commodious, convenient of access, well arranged and equipped

ed, and all are seated with comfortable opera chairs. The General Assembly Hall, used for devotional and other general and public exercises, is tastefully decorated. It has a fully equipped stage, and has seating capacity for about nine hundred. The Training School Assembly Hall is seated on the plan of a clinic. This arrangement was designed especially to serve the interests of student teachers, as it gives a large number the best possible advantage in observing model recitations. Expression Hall is situated on the third floor, surrounded by four society halls. With its well furnished stage it meets the needs of the Department of Expression, and is often used by the societies for special sessions and entertainments.

Laboratories.

Laboratories are all well equipped, and improved apparatus is added whenever it seems to promote a better understanding of scientific principles or skill in technical execution. The stereoptican is a part of the equipment of several departments. In Agriculture there are two laboratories—one equipped for thorough work in soil analysis, capillary movement of water, and for milk, food, and grain testing; the other with compound microscopes and all other apparatus necessary for efficient work in dairy and pathogenic bacteriology. The Biology laboratory has an adequate supply of compound microscopes, opera glasses for bird study, the necessary apparatus for experiments in plant physiology, and a collection of typical animals. In Chemistry lockers and tables are provided for sixty-four persons, each table being supplied with water and gas and the usual chemicals and apparatus. A regular laboratory is used in connection with classes in mathematics. By actual experiment each pupil obtains the data for problems used in Arithmetic, Algebra, Geometry and Trigonometry. The Physics laboratory is equipped for two terms of work in Mechanics, two in Heat, three in Electricity, and one in Light and Sound. The Psychology laboratory contains full equipment for the teaching of physiological and experimental psychology.

Departments of Technical Subjects.

These departments are those of Commerce, Drawing, Household Arts, Manual Training, Music, Physical Education. Each department is provided with suitable rooms and special apparatus needed for its work.

STUDENT ORGANIZATIONS

All these organizations, as the name implies, are managed and directed by the students, and have for their purpose the acquiring of knowledge and skill in directing organized efforts and of doing things that have real educative value, with faculty assistance and direction reduced to a minimum.

The Literary Societies.

The Literary Societies—six in number—the Athenian, the Baconian and the Irving for young men; the Campbell, the Osborn and the Periclean for young women—are under the general control of the Faculty and the immediate supervision of patrons from the English Department.

Each society has its own hall tastefully decorated and well furnished, in which it holds its regular meetings during the school year once a week, at which time programs are rendered, consisting of readings, declamations, essays, orations, debates, songs, choruses, etc. Here the students are able to secure practical drills in public deportment and address. The patron from English Department assists the several societies at different times and offers criticism on the programs. In addition to this during the year, contests in oratory, debate and declamation are held between the several societies of the school, and between the different schools of this and other states. All contests of this nature are under the control and supervision of the Committee of Debate of the Faculty.

In the Inter-Society contests for 1913-14 the following were the successful contestants: In debate, first, John Boles (Athenian); second, Roscoe V. Cramer (Athenian).

In Oratory, first, P. G. Woolsey (Athenian); second, R. V. Moore (Athenian).

In Declamation, first for girls, Lena Rivers Boley (Osborne) ; for boys, Levi B. Britt (Baconian).

The splendid school spirit that is engendered in the students through the societies and the culture that comes to them through association and contact with the best minds in the student body, is beyond calculation.

The Christian Associations.

The students maintain two religious organizations—the Y. M. C. A. and the Y. W. C. A. These associations hold regular weekly meetings for devotional purposes, and occasional social gatherings. The associations are factors for good in the school and the students are cordially invited to identify themselves with them. Committees of the two associations meet all trains at the beginning of the terms to assist and direct new students.

The new and well furnished halls for the Christian Associations are located in the Dockery Gymnasium.

These organizations are affiliated with the State organizations with headquarters at St. Louis. The State Secretaries make at least one visit during the year and several delegates represent the organizations in the State meeting in October. There are, besides the officers in the student body, an auxiliary board in the Faculty and another composed of alumnae residents in the town.

Y. W. C. A. House.

During the past year a dormitory for women has been organized which accomodates between fifty and sixty. By planning the menu and taking terms in serving, the management finds that the table expenses average less than \$2.50 per week. Rooms vary in price from \$5.00 to \$10.00. By paying a small fee, residents have the use of the laundry. Two teachers will be in residence during the year, a chaperon and a housekeeper will be in charge. House Rules have been established, suited to the needs of this kind of community life. Out of town students or parents who wish to send young girls to this dormitory can make arrangements by writing. Address, Miss Anna Dedman.

Clubs.

The school has a number of organized clubs the membership in which is voluntary. Their organization is encouraged for the opportunities they give of self-government and self-activity in such lines as the student have special interests. At the present time the following organizations are reported as having large, active memberships and doing successful work.

The Science Club.

The Science Club is to stimulate a more general interest in scientific work and to bring the student somewhat in touch with the methods of scientific research. Membership is confined to students and teachers of the Science Departments. Meetings are held bi-weekly from September to June.

The Debate Club.

The Debate Club is doing excellent work in assisting young men to develop their powers of argumentation and to think accurately and quickly on their feet in public places. The club works in harmony with the different societies of the school and stimulates and augments their work in debate. Much is expected of the club during the coming year.

The Dramatic Club.

The Dramatic Club was organized during the Fall Term of 1909 and already has made itself felt in the student body. Meetings are held weekly, on Thursday afternoons, during the Fall and Winter quarters, at which times topics of interest to dramatic students and resumes of the most successful modern plays are presented.

Plays suitable for school purposes are "tried out" and interesting instructive discussions are carried on relative to the best methods of play productions for social occasions. Members of the club enjoy the opportunity of appearing under competent direction and in this way gain valuable knowledge of stage deportment.

Musical Organizations.

There are at this time several musical organizations in the School—a large chorus composed of young ladies and gentlemen a girls' chorus, the Normal male glee club, a band, an orchestra and a mandolin club. Students with the necessary qualifications are urged to become members of these organizations. Those having instruments are requested to bring them.

Tennis Club.

On a well shaded portion of the campus are six tennis courts for the free use of the students. This most delightful and wholesome outdoor sport is growing more in popularity with the students each year. Two afternoons each week are set aside for the young ladies' classes in Physical Training. These classes are especially helpful to beginners in tennis.

The courts are under supervision of the Athletic Department.

Country Life Club.

The Country Life Club is an organization of students and faculty members who are vitally interested in present-day problems of country life. The Club has four main purposes: to hold bi-monthly meetings at which practical educative talks may be presented and open discussions held; to co-operate with all organizations working for the betterment of rural life; to gather statistics which may serve as the fact basis for wise legislation; to serve as an active agent in helping every rural school in the district to become a real social center of a type best fitted to the needs of the community. The Club has been supported by a large and enthusiastic membership since its first meeting, and hopes during the year 1914-15 to accomplish much practical work.

ALUMNI ASSOCIATION

All full graduates are members of the Alumni Association. The membership is now about two thousand.

The supreme test of the value of a school to the commonwealth is the quality of its body of Alumni. Among our graduates are many who have attained distinction in the world of educators, and many who have achieved success in other lines.

The graduates in direct contact as they are with the larger thought environments and ideals of the state owe to their Alma Mater a contribution to her efforts for finer character, higher culture and larger citizenship. The Alumni Association should be a useful factor in the up building of this Normal School.

The school is justly proud of the large number that either return from year to year to do graduate work, or enter the Colleges and Universities to do work for higher degrees; it indicates that the work and school life of this institution gives a stimulus and educational momentum that is worth while.

Wednesday of Commencement week each year, is known as Alumni Day, May 27, 1914, will long be remembered as the red-letter day of the Alumni Association, because of the great things accomplished and the larger things planned.

The Historic Pageant of the morning celebrating our fortieth annual commencement, was staged on the campus. The presentation was a splendid tribute to the school in which the past, present and future, was depicted.

The Alumni Banquet was attended by two hundred. It was gratifying to note the spirit of good fellowship and loyalty that prevailed, and the earnestness manifested in the County Organization plan, which had its beginning in July 1913, and since has received the hearty endorsement of the Board of Regents, President Hawkins and the Faculty. This plan for Territorial Organization is eminently worth while and will be pushed during the year. All Alumni and former organizations will be made the basis for a great demonstration, on Alumni Day May 16, 1915, one that will equal, if not exceed, the wonderful Pageant of this year. It can be done—working with co-operation, comradeship and enthusiasm the task will be accomplished.

Officers of Alumni Association.

1914-1915

President, Mrs. Mary Miller Smiser, class of 1905.

First Vice-President, Fred Hacker, class of 1914.

Second Vice-President, Mrs. J. A. B. Adcock, class of 1881.

Treasurer, Dr. E. H. Gilbert, class of '75.

Secretary, Samuel T. Bratton, class of '05.

MISCELLANEOUS INFORMATION

The Lecture Course.

For a number of years this institution, through its Faculty Lecture Course and Entertainment Committee has maintained a course each year of high class lectures and entertainments. The committee has always sought to maintain a high standard of excellence by selecting for each course the highest quality of talent available on the American platform. The only motive in providing the lecture course is to offer the best educational influences to the students and the community. All surplus funds derived from the sale of tickets are expended in the improvement of the succeeding course, and in that way the course of each succeeding year has regularly become stronger. The course for 1914-15 numbers among its attractions several of the strongest people now before the public, such as the Scotney Grand Opera Co., E. A. Steiner, etc.

Inter-High School Latin Contest.

Competitive Latin examinations will be held at 10 a. m., April 17, 1915, in Room 8. Open to all students in the Second Normal District. Free scholarships will be awarded as follows to students showing the most proficiency from schools offering:

1 year of Latin	2 terms
2 years of Latin	2 terms
3 years of Latin	3 terms
4 years of Latin	4 terms

Where Cicero and Virgil are alternated in the third year, this will be taken into consideration.

The successful contestants for 1914 named in order were: Miss Ruby Glover, Sedalia; Miss Mabelle Pfaff, Green Ridge; Miss Mamie Bennett, Oak Grove; Miss Alice Custer, Raymore.

Inter-High School Declamatory Contest.

At the annual meeting of the Board of Regents, 1909, three prizes, consisting of four, three and two terms' attendance at the Normal free of all fees, were authorized to be awarded to Senior students of high schools in the Second Normal District winning first, second and third places in declamatory contests held an-

nually in Normal Auditorium. Each school is permitted to send two contestants, one boy and one girl. The contests between boys are separate from contests between girls. These contests are under the management of the English Department.

The following were the successful contestants, 1914:

GIRLS: First place, Cornelia Swansen, Raymore; Second place, Mary Nixon, Boonville; Third place, Bertha Silvers, Butler.

BOYS: First place, Eugene Arnold, Butler; Second place, Frank Moriarity, Warrensburg; Third place, Nelson Taft, California.

Inter-High School Track Meet.

The Seventh Annual Inter-High School Track and Field Meet, combined with the Central Missouri Meet, and known as the Third Annual Inter-High School Track and Field Meet of the Warrensburg-Central Missouri Teachers' Association, was held on the Normal Field April 18, 1914.

Thirteen high schools with one hundred and fourteen contestants entered in the meet.

Harrisonville won the meet with a total of twenty-three points and Clinton was second with thirteen points. Sedalia won the Trophy Cup for the relay race. The standing of the schools winning points is as follows:

Harrisonville	23	Tipton.....	9
Clinton	13	Pleasant Hill	7
Windsor.....	11	Raymore.....	5
Sedalia.....	10	Jefferson City....	3

SCHOLARSHIPS

Friends of the late Professor H. D. Demand have contributed a memorial fund sufficient to pay the school fees of one student each year. The student who receives the scholarship is selected by the President and the Department of History, from the list of special students in History of the Freshman and Sophomore years.

Two annual free scholarships have been established by the Commercial Club of Warrensburg to be awarded to the girl and the boy graduating with the highest standing from the rural

schools of Johnson county. These scholarships bear the names of the donors: the C. A. Shepard Scholarship for girls and the John Thrailkill Scholarship for boys. The Daughters of the Revolution Scholarship was established by the local organization of that society and is awarded annually to worthy students selected by the society.

The following scholarships are authorized by the Board of Regents: The Women's Federated Clubs Scholarship, to student recommended by the Kansas City Club; the Declamatory Contest Scholarships are awarded on the Annual Inter-High School Contest; the boy and girl receiving highest standings each twelve month, four terms scholarship; the boy and girl receiving second places, each nine months' scholarship, and the boy and girl receiving third place, each a six months' scholarship.

For the Inter-High School Latin Contest, scholarships are awarded to the same number as in the Inter-High School Declamatory Contest.

OSBORNE-CAMPBELL MEMORIAL FUND

The Alumni Association in 1910 founded a Student Aid Fund, which is known as the Osborne-Campbell Memorial Fund. This fund is a memorial to Dr. George L. Osborne, who was for almost a quarter of a century president of this school, and Professor J. J. Campbell, who worked in the school for twenty-five years as Professor of English. The noble lives of these men are a perpetual benefit to those who knew them; this fund is to keep them in the minds of those who come in later days.

In the past three years the fund has been the means of helping many students to remain in school at times when it was necessary to borrow money or leave school.

The fund is in the hands of the Board of Regents and will be loaned to worthy students in sums not greater than fifty dollars, for terms not exceeding two years, and at the interest rate of 3 per cent per year.

SCHOOL PUBLICATIONS

Bulletins.

The Institution issues four bulletins a year:

In July, the Annual Catalog.

In October, a Department Special.

In January, the Spring Term Special.

In April, the Summer School Special.

The Rhetor.

This is the Class Annual, and is issued by the Seniors in June of each year.

The Normal Student.

A weekly paper edited by the student body.

THE DEMONSTRATION FARM

The Normal Demonstration Farm consists of thirty-six acres of medium upland, well adapted to experimental and demonstration work, and fairly equipped with farm machinery necessary in crop production. The general fields are used to illustrate the methods of crop production under conditions that exist in the region of Warrensburg. The Agricultural Department emphasizes the raising of dairy stock, hogs and poultry. The farm is prepared for this line of work. The silo, ensilage cutter, cream separator, Babcock tester, and similar appliances greatly strengthen the dairy course. The students of this department actually assist in making this a model, modern farm home.

TRAINING DEPARTMENT HIGH SCHOOL

It sometimes proves convenient for younger brothers or sisters of students who are in attendance in the Normal School, to enroll in the Training School. Tuition is free and the equipment excellent. Pupils who have completed the rural school course, or the work of the eighth grade may enter the High School Department of the Training School. For information concerning the advantages offered in this department, write to the Superintendent of the Training School.

CORRESPONDENCE STUDY DEPARTMENT

The demand of students who are prepared and yet are unable to do residence work in school has led the Normal School to offer a limited number of courses by correspondence. As far as used, the plan has proved highly satisfactory. Anyone interested in doing a limited amount of work in this manner should address the Correspondence-study Department for circulars.

ENTRANCE REQUIREMENTS

Condition of Admission.

Scholarship—See general statements under Rural School Course, and Advanced Normal School Course.

Character—Applicants seeking admission for the first time must submit satisfactory evidence of a good moral character. A letter from the head of the last school attended, from a county commissioner, or superintendent, or some other person of well known integrity, is sufficient.

Age—Applicants for admission to the advanced Normal courses must be sixteen years of age, and the Elementary Normal School Course, and to the Rural School Course eighteen years of age.

Legal—In compliance with the laws of the state, every student on entrance is required to sign the following pledge to teach:

"I hereby declare that it is my intention to follow the business of teaching in the public schools of this state, and that I voluntarily enroll myself as a student in the State Normal School at Warrensburg for the purpose of preparing for that work."

ACCREDITED WORK

Credits from Other Schools.

Applicants holding the certificate of graduation from a rural school or a certificate of graduation from an elementary school will be granted entrance to the Elementary Normal School Courses.

Students from Colleges, Normal Schools, High Schools and Academies will be admitted on the advanced standing presented

at time of application, or an examination on work that has been done.

Students from Colleges, High Schools and Academies that have accredited courses are admitted to Normal courses as follows:

Students who present certificates of standing from any of the colleges of the College Union, the School of Mines, or a State Normal School, will be credited with such subjects as are completed in these schools. Graduates of the colleges of the College Union and the School of Mines or colleges of equal rank, may receive the Normal Diploma upon the completion of thirty semester hours work, which must include the pedagogical work required to complete the course.

Graduates of approved, first class High Schools are given entrance to the advanced Normal School Courses.

Graduates of all other approved High Schools are given credit on all subjects approved by the State Department of Education

The classification of High Schools is that of the State Department of Education, which provides that "no school shall be classed as a High School of the first class which does not maintain a four years' course of standard work in English, mathematics, science and history for a term of at least nine months in the year, and which does not employ the entire time of at least three approved teachers in High School work; that no school shall be classed as a High School of the second class which does not maintain a three years' course of standard work in English, mathematics, science and history for a term of at least nine months in the year and which does not employ the entire time of at least two approved teachers in High School work; that no school shall be classed as a High School of the third class which does not maintain a two years' course of standard work in English, mathematics, science and history for a term of at least eight months in the year and which does not employ the entire time of at least one approved teacher in High School work."

Advanced Standing.

Persons desiring to have grades accepted should apply in person or by letter to the chairman of the Committee on Standing and Classification. Blanks will be sent to the authorities of the school in which the grades were made.

Credits from high schools are estimated in units (A "unit" being thirty-six weeks' work, five days in the week, forty-five minutes recitations in one subject, or an equivalent amount of work in two or more subjects.)

CERTIFICATES AND DIPLOMAS

1. **Rural School Certificates**—(issued by State Department.)
On completion of Rural School Course.
2. **Regents' Certificate**—on completion of Elementary Normal School Course.
3. **Life Certificate Diploma**— on completion of two years Advanced Normal School Course.
4. **High School Teachers Diploma**—on completion of three years of the Advanced Normal School Courses.
5. **Bachelor of Science in Education**—on completion of four years Advanced Normal School Course.

All candidates for any of the above certificates or diplomas are required to be in attendance at least nine months. All candidates must have good moral character and must have a majority of grades used above I, (inferior).

Special Examinations are given only and by the consent and under the direction of the heads of the departments concerned.

Class honors are based on the average of all grades made by the student in this school, and those receiving first honors will have public mention on Commencement Day.

Legal Value of the Certificate and the Diploma.

The Regents' Certificate entitles the holder to teach in any of the public schools of the state, without further examination, for a period of two years.

The Diploma entitles the holder to teach in any of the public schools of the State, without further examination, for life.

Credits Received at Missouri University.

The Missouri State University gives credit on the Normal Diploma as follows:

- (a) Unconditional entrance to the College of Education.
- (b) Junior standing in the College of Arts and Sciences.

EXPENSES

School Fees.

The school year is divided into four terms, designated as the Fall, Winter, Spring and Summer Terms, of equal length. Every student is required to pay at the beginning of each term, or whenever he may enter, an incidental fee of \$6.00, or a total of \$24.00 for the four terms of the year. If the student desires to pay for the full year in advance, the rate is \$20.00; for three terms, \$16.00 for two terms, \$11.00. The student is not entitled to the privileges of the class room nor of the school generally until he presents the Treasurer's receipt for the incidental fee.

In the Biology, Chemical, Physical and Agricultural Laboratories, and in the Manual Training Department, Domestic Science or Domestic Art, an additional laboratory fee of fifty cents a term is charged, to pay for material. Breakage extra. Cooking School fee is \$1.00 for each term.

The Gymnasium fee is \$1.00 for a year or any part of a year. Except for the use of lockers, this fee entitles the student to all gymnasium privileges, including free tickets to all games on the athletic field.

A deposit of \$1.00 is required for a private locker in the gymnasium. Seventy-five cents will be refunded when the key is returned.

Text Books Furnished.

Text books are furnished at a rental fee of \$1.00 for a year or any part of a year. This makes it possible for students to have the use of a larger number of books than the school could reasonably expect them to purchase, and it means to each student a saving from \$15.00 to \$25.00 a year. A text book deposit fee of \$3.00 is required to insure proper use and safe return of

books. This amount is refunded when books are returned in good condition. This system of practically "~~free text books~~" means a very great saving of expense to the students.

Y. W. C. A. SCHOLARSHIP

The Normal Y. W. C. A. has established a very valuable scholarship, the funds of which will be available for the first time during the fall quarter, 1914. Any **needy** person of high scholarship and strong moral and religious character may apply. The scholarship will produce not over \$60.00 per quarter. For further information address the secretary, Miss Elizabeth Nickerson, Warrensburg, Mo.

Board and Rooms.

The school has no boarding department. Students board at private houses. There is no scarcity of accommodations within easy reach of the Normal building at reasonable prices.

Board can be obtained at rates ranging from \$3.25 to \$4.50 per week, including room, fuel and lights—two persons occupying one room. Those who room alone will generally have to pay a higher price.

Students who desire to board in clubs can reduce the expense to \$2.00 to \$3.00 per week by practicing economy.

A limited number of ladies can obtain furnished rooms for self-boarding at fifty cents per week for each occupant, or \$1.00 per week when a student rooms alone. Students availing themselves of this arrangement are expected to provide everything except furniture, mattresses, heating stove and cooking stove.

Unfurnished rooms can be rented at \$1.50 to \$2.50 per month, the price depending on the location.

By club boarding some students reduce the expenses for one term to \$35.00, and the expenses for one year, not including summer school, to \$110.00.

On the whole it is our experience that family boarding is more satisfactory and the entire expense, including such boarding, can come within \$50.00 a term, or less than \$150.00 for a school year, three terms.

The Faculty holds that ladies should secure homes offering rooms to women only, and that gentlemen should patronize homes where rooms are offered only to men. The Dean of the boarding department will recommend only homes conforming to this opinion.

As a general rule it is best not to make a contract for board till after arrival in Warrensburg. The students are urged to call at the office of the Dean, Mrs. Mary V. Neet, in the Normal building. All boarding houses are listed with her.

When students leave the train they should look out for the committee of the Christian Associations, wearing badges. Members of this committee meet all trains at the beginning of the terms. At other times young women traveling alone will be met at the depot if the President or Dean is notified of the time of arrival.

How to Enter the School.

To assist new students who need to understand our system of matriculation, the following suggestions are offered:

1. Study the daily program, with the assistance of some member of the Classification Committee, who will fill out and sign a classification card.
2. Present classification card (thus signed) to the chairman of Classification Committee for approval of program arranged.
3. Obtain registration blanks in the office of the Registrar, and fill out with information asked.
4. Pay fees and deposit money for text books at Treasurer's office in Normal Building, first week of each term and later in Citizens Bank, North Holden street, (Hours from 9 a. m. to 4 p. m.)
5. Present Classification Card (approved), receipts for fees, and registration blanks to Registrar.
6. Take Program Card to Text-book Library for text-books.

SUGGESTIONS TO NEW STUDENTS FOR CLASSIFICATION.

1. Read carefully the general statements for the Rural School Course, the Elementary Normal School Course or for the Advanced Normal School Course, whichever you are planning to take.

2. If you are expecting to take out a Rural Certificate see page 39.

3. If you are planning to take the first two years of the Advanced Normal School Course read page 41 and 42.

4. If you are preparing to be a High School teacher, principal or superintendent read page 43.

5. If you are taking one of the Specializing Courses see "Specializing Courses" in index and read the directions for the courses in which you are specializing.

6. The following order should be observed in taking the courses in the Department of Education. Elementary Psychology and School Administration should be taken by all graduates of first class high schools the first term in residence. The next course should be Principles of Teaching. School Administration and Elementary Psychology are suggested prerequisites for all Teachers' Courses, Primary Methods, Kindergarten Theory, and Observation. The History of Education is for the students in the second, or sophomore year of the Advanced Normal School Course; cannot be taken until the other work in Education is completed.

7. On the General Course 10 hours only in Technical subjects may receive credit.

8. All students are required to take Gymnasium. The minimum requirement being two terms for the Rural Certificate or Regents' Certificate, and three terms for the Diploma.

9. All students are required to make a grade in Library Lectures.

10. The number on the daily program is the course number where the subject is listed in the department. Look it up in the Department to see the nature of the course.

11. Students who are graduates of first class High Schools, and have not met the minimum requirements of the State Superintendent in the various academic departments must make up the deficiency as soon as possible. Before classification such students should consult the chairman of Committee on Classification.

12. All candidates for the Diploma must offer a minimum of 7½ hours of College English.

13. Students who specialize in Academic Subjects must elect a minimum of 15 hours in the Specializing subjects.

14. All specializing students should consult with the Head of the Department where his major work is to be done, before classification.

15. If a student should not know at the time of entering that he intends to specialize in a particular department he should classify under the General Course. By the end of the first or second term every student should make up his mind as to whether or not he will specialize, as it is difficult to switch from the General Course to a Specializing Course at a later time.

General Suggestions.

The beginning of a quarter is the best time for entrance. Students admitted at other times, must accommodate themselves to the conditions of classes at the time of entrance.

The city residence of every student is kept on record in the office of the Registrar. In case of change, the fact should be reported to the Dean at once.

While successful vaccination is not made a requirement, it is recommended that students who have not been vaccinated have it done by their family physician some time before leaving home.

All wraps, overshoes and umbrellas should be plainly marked by their owners as a means of identification.

COURSES OF INSTRUCTION

PRELIMINARY EXPLANATION: All statements of Courses of Instruction in this catalog are made by the authority of the Board of Regents conformatory to the following general statements of agreements:

"The Presidents of the five State Normal Schools of Missouri in meeting at Chicago, February 20th, 1914, agreed unanimously on the following statements and announcements:

1. A pressing educational need in Missouri is better teaching, better social and economic conditions in the rural districts. The State Normal Schools, believing it to be their peculiar function, hereby agree to bend unremitting energies to the solution of these rural life problems. To this end, they will reorganize and redirect, so far as may be necessary, the departments of rural education, home economics, agriculture, and manual arts.

2. The Normal Schools will continue to emphasize the preparation of teachers for rural and elementary schools by carrying out fully the requirements as now prescribed, or which may hereafter be prescribed by the State Superintendent for the Rural State Certificate.

3. Recognizing the strong demand made on the Normal Schools for teachers and principals of the new consolidated high schools, and for teachers of agriculture, home economics, and other subjects to be taught in high schools, the Normal Schools will continue to carry courses extensive enough and peculiarly adapted to the complete preparation for all such positions.

4. The basis of entrance to all Normal School courses will be the completion of the State prescribed courses for first class high schools.

5. Graduates of first class high schools shall be required to offer thirty (30) semester hours work of college rank for the Elementary certificates, not less than fifteen (15) hours of which shall be in the fields of psychology, methods and management, including practice teaching, and studies in the teaching of elementary subjects.

6. Students entering from high schools other than first class high schools must complete in the Normal School the equivalent of a first class high school course, plus thirty (30) semester hours work of college rank for the elementary certificate. Not less than fifteen (15) semester hours of which shall be in the fields of psychology, methods and management, including practice teaching, and studies in the teaching of elementary subjects.

7. Sixty (60) semester hours work of college rank will be required for those who have completed a full first class high school course for the diploma, with the designated ability to teach and supervise in elementary schools. Of the said sixty (60) semester hours, not less than twenty-five (25) semester hours shall be in the field of psychology, methods, management, and the history of education, practice teaching, and studies in the teaching of elementary subjects.

8. Ninety (90) semester hours work of college rank will be required of those who have completed a full first class high school course for the diploma, with designated ability to teach and supervise elementary, high school and technical subjects, not less than thirty (30) hours of which shall be in education.

9. One hundred and twenty (120) semester hours work of college rank shall be required for a Bachelor Degree. Not less than thirty (30) semester hours shall be in education with due regard to some special service in teaching."

RURAL SCHOOL COURSE

Leading to Rural School Certificate:

FIRST YEAR

First Term	Second Term	Third Term
Grammar and Composition.	Grammar and Composition.	Grammar and Composition.
Elementary Algebra	Elementary Algebra	Elementary Algebra
Greek History	Roman History	Mediaeval History
Penmanship	Agriculture	Agriculture
General Science (Biological)	Public School Music	Public School Music

SECOND YEAR

First Term	Second Term	Third Term
Literature and Composition.	Literature and Composition.	Methods in Rural School English
Am. History and Gov.	Teachers' Course in U. S. Hist. and Gov.	Teachers' Arithmetic
Rural School Man.	Teachers' Geography	Observation in Training School
Elementary Psychology	Rural School Methods	Physiology and Hygiene
Domestic Science or Manual Training	Drawing	Drawing

This is a special course for teachers in rural schools.

This course is open to students who are **eighteen** years old and hold a certificate of graduation from a rural school, or showing the completion of the eighth grade of a graded school; also to teachers holding Third Grade County Certificates.

Students who have completed two years or more of high school work may secure this certificate after nine months' residence work.

All students must take the following subjects in residence:

Rural School Administration,

Psychology for Rural School Teachers,

Teachers' course in U. S. History and Government,

Teachers' Geography,

Rural School Methods,

Methods in Rural School English,

Teachers' Arithmetic,

Agriculture two terms if not taken in a High School.

Observation in Training School.

Three of the following specials: Drawing, Public School Music, Manual Arts, Household Arts, or Penmanship.

Two terms gymnasium.

One term Library Lectures.

FOR RENEWAL OF RURAL CERTIFICATES

The following regulations of the State Superintendent explain the condition under which Rural Certificates may be renewed:

"The Rural Certificate, which is given by the State Superintendent on recommendation of a Normal School, is renewable on its expiration on receipt of a statement that the holder has completed a term of Normal School work after its issue; provided, that the holder has complied with the conditions of renewal of County Certificates. Conditions of the renewal of County Certificates are as follows:

Requirement Number 1. "Each holder of a renewable certificate, in order to be eligible to have his certificate renewed, must each year, during the life of his certificate, attend either the State Teachers' Association, his county teachers' association or meeting, or a district teachers' association which embraces several counties. In case of his failure to attend his county association, attendance at three township or district meetings during that year may be accepted instead of the attendance of the county association. This requirement may be waived for teachers in large cities which are, by Section 10932, exempt from the supervisory powers of the County Superintendent, provided such cities

have at least semi-monthly meetings for seven months each year, in which professional work, approved by the State Superintendent, is being done."

Requirement Number 2. "Each holder of a renewable certificate must also do the reading circle work to the satisfaction of the County Superintendent for two years for each renewal. Passing grades in extension or correspondence courses approved by the State Superintendent of Schools shall be accepted by County Superintendents instead of Reading Circle Work. Passing approved summer school grades shall be accepted in lieu of Reading Circle Work. Summer school, extensions, or correspondence grades must in all cases have been made since the issue or former renewal of the certificate to be renewed. Reading Circle Work of special merit, conducted by City Superintendents, with the approval of the State Superintendent, shall be accepted in lieu of the regular Reading Circle Work."

WM. P. EVANS,
State Superintendent of Schools.

ELEMENTARY NORMAL SCHOOL COURSE

I. A Four Years' Course of High School Rank

For entrance, students must present certificates of completion of eighth grade or graduation from a rural school. For subjects by years see Departments of Instruction.

1. Required subjects, 10 units as follows:

English	3 units	History	2 units
Algebra	1 unit	Science	2 units
Pl. Geom.	1 unit	Technical Subjects	1 unit

2. Electives 6 units from following subjects.

English	1 unit	Foreign Languages.....	4 units
Mathematics	2 units	Technical Subjects.....	2 units
History	2 units	Education	1 1-3 units
Science	2 units		

3. Maximum and Minimum units that will be accepted in each subject are indicated as follows:

English	4	3	Teachers course in Hist	1-3	1-3
Algebra	1	2-3	1	* Nature Study	1-3 1-3
Plain Geom	1	1		Physiology	1-3 1-3
* Solid Geom	1-3	1-3		Agriculture	2 1
* Trigonometry	1-3	1-3		Phys. Geog	2-3 2-3
Tech. Arith.	1-3	1-3		* Economics	1-3 1-3
Hist. & Gov't	4	2		* Ec. Geog.	1-3 1-3
Latin	4	2		Music	2 2-3
German	3	1		Drawing	2 2-3
French	3	1		Mn'l. Trning	2 2-3
Physics	1	1		Com. Subjects	1 1-3
Chemistry	1	1		Household Arts	2 1 1-3
Biol. Bot. or Zol	1	1		Education	1 1-3 1 1-3
Gen'l Science	1	1-3		* Teachers Courses	2-3 2-3

Note 1. Students who make application for the Regents Certificate must offer credits in the following subjects: Education: Elementary Psychology $\frac{1}{3}$ unit, School Administration $\frac{1}{3}$ unit, Special Methods $\frac{1}{3}$ unit, Observation $\frac{1}{3}$ unit, Teachers Course $\frac{2}{3}$ unit, American History and Government $\frac{2}{3}$ unit, Agriculture $\frac{2}{3}$ unit, and Physiology $\frac{1}{3}$ unit.

Note 2. The required unit of technical subjects must be distributed as follows: Penmanship 1 term; Music 2 terms; Drawing 2 terms; and Manual Training or Household Arts 1 term.

Note 3. The term "unit" as used for measuring credits in the Elementary Normal School Courses represents the successful pursuit of an academic or educational subject for three terms of twelve weeks each. Technical subjects requiring the same preparation outside of recitation periods as academic and educational subjects receive one unit credit and subjects not requiring such preparation receive one-half unit credit.

Note 4. Courses marked (*) may be elected in fourth year only.

Note 5. Teachers courses open to students in the Elementary Normal School Course are the following: Nature Study, History Course No. 18, English Course No. 7, Geography Course No. 1.

II. Course for Graduates of First Class High Schools.

All work of college rank. Graduates of accredited First Class High Schools, or schools of equivalent rank, applying for the Regents' Certificate must offer from work done in residence the following credits:

School Administration	2½ hours
Elementary Psychology	2½ hours
Special Methods	2½ hours
Teachers in Training School	2½ hours
Teachers' Courses (one of which must be English)	5 hours
Electives (Agriculture, if not taken in high school, 2½ hours)	15 hours
of which not more than five hours may be technical subjects.	

ADVANCED NORMAL SCHOOL COURSES

Life Certificate Diploma—Sixty Semester Hours

The Diploma designates ability to teach and supervise in Elementary Schools. Entrance requirement is graduation from a first class high school, or a school of equivalent standing.

Distribution of subjects and special conditions:

In Education twenty-five (25) semester hours, Elementary Psychology $2\frac{1}{2}$ hours; School Administration, $2\frac{1}{2}$ hours; Principles of Teaching, $2\frac{1}{2}$ hours; Observation and Teaching, $7\frac{1}{2}$ hours; History of Education, 5 hours; Electives, 5 hours.

Note.—In case a Regents' Certificate is issued at the completion of the Elementary Normal School Course the $1\frac{1}{3}$ units required in Education will count as 10 hours of the subjects in the above list.

Students who used $1\frac{1}{3}$ units or 10 hours in Education for a Regents' Certificate at the completion of the Elementary Normal School Course must complete, in lieu thereof, 10 hours additional electives in Academic subjects.

In General Electives thirty-five (35) Semester Hours: From which 10 hours may be used from Technical subjects and Physical Education.

A minimum of 5 hours must be taken in Teachers Courses used either for the Regents' Certificate or Diploma.

All candidates for this Diploma must offer a minimum of $7\frac{1}{2}$ hours in English of college rank.

Before the diploma will be issued to any student who offered the minimum entrance requirement in Mathematics, History or Science when the Elementary Normal School Course was completed, he will be required to offer at least $7\frac{1}{2}$ hours from each department where such minimum was used.

Students who specialize in Academic subjects must elect a minimum of 15 hours in the specialization subjects.

HIGH SCHOOL TEACHERS' DIPLOMA

The Ninety (90) Semester Hour Course

The Diploma designates ability of Superintendent, Principal, Supervisor, or Teacher in High School.

Requirements and conditions:

1. All the requirements and conditions of the Sixty (60) Semester hour course.

2. Thirty (30) Semester hours additional and advanced work, of which at least five semester hours shall be in Education. The election of the other twenty-five (25) hours to be determined by heads of departments and the President of the Faculty.

FOR BACHELOR OF SCIENCE IN EDUCATION

The One Hundred Twenty (120) Semester Hour Course.

Requirements and conditions:

1. All requirements and conditions of the Sixty (60) Semester Hour and the Ninety (90) Semester Hour Courses.

2. Of the thirty (30) additional Semester hours all shall be of Advanced College rank. If following the General Course students must elect a major of fifteen (15) semester hours in some academic department and not more than seven and one-half ($7\frac{1}{2}$) semester hours may be devoted to Technical subjects.

3. Candidates for this degree may elect to specialize throughout the three years in Advanced Normal School Courses in either academic subjects or in Technical subjects as outlined in the Specializing Courses.

Note 1. No work will be accepted in Advanced Normal School Courses that is not in quality of college rank. All the diplomas issued for these courses are life licenses to teach in the Public Schools of Missouri.

Note 2. All the subjects, both required and elective for the Advanced Normal School Courses are indicated in brief outline under Departments of Instruction.

Note 3. The term "semester hours" as used for these courses is the same as that employed by the North Central Association of Colleges and Secondary Schools, and for the present a term of twelve weeks in an academic or educational subject shall be valued at $2\frac{1}{2}$ hours. Technical subjects requiring preparation shall be valued in the same way, and the technical subjects not requiring preparation shall have credit of $1\frac{1}{4}$ hours of a term subject.

ELIGIBILITY TO ENTRANCE TO ADVANCED NORMAL SCHOOL COURSES.

Graduates of the Elementary Normal School Course outlined above enter the Freshman year of the Advanced Courses.

Graduates of first class high schools who have completed the requirements of the State Department enter the Freshman Class. These requirements are as follows:

English	3 units
Mathematics	2 units
History	2 units
Science	2 units
Electives	7 units

These High School electives may be two additional in mathematics, two additional in History, two additional in Science, one additional in

English, three or four in Latin, two or three in German, two or three in French, two or three in Greek, one in bookkeeping, one in drawing, one in music, one-half in advanced arithmetic, one-half in industrial geography, one-half in economics. (From State Course of Study for Approved High Schools.)

Any High School graduate who is deficient in part of the above high school requirements must remove such deficiency as rapidly as possible, after which the required subjects in the Advanced Normal Course should be taken.

TEACHERS COURSES

The following Method Courses in such academic subjects as are taught in the public schools of Missouri are offered and are designated as Teachers' Courses.

Teachers' Course in Latin, Course No. 11, Prerequisite 9 terms.

Teachers' Course in German, Course No. 6, Prerequisite 6 terms.

* Teachers' Course in History, Course No. 18, Prerequisite 3 years.
(For Elementary Grades).

Teachers' Course in History, Course No. 19, Prerequisite 3 years.
(For High Schools)

Teachers' Course in Mathematics, Course No. 11 Prerequisite 3 years.

* Teachers' Course in Reading, Course No. 7, Prerequisite High School English.

Teachers' Course in English, Course No. 2, Prerequisite High School English.

* Teachers' Course in Geography, Course No. 1, Prerequisite Elementary Normal Course.

* Teachers' Course in Nature Study, Course No. 5, Prerequisite, Elementary Normal Course.

Teachers' Course in Hygiene, Course No. 8, Prerequisite Elementary Normal Course.

Note—Only courses with (*) may be elected as Teachers' Courses by candidates for Regents' Certificate.

SPECIALIZING COURSES

Any student wishing to specialize in any department may do so with the consent of the president and the head of the department, under conditions as follows:

In all specializing courses as in the General Course, the completion of the first two years work (60 semester hours), gives the diploma with designated ability to teach and supervise in the elementary schools, and the completion of the three year course (90) semester hours) gives the diploma with designated ability as Superintendent, Principal, Supervisor and teacher in High School.

All elections must be made with the advice of the head of the department in which the student is specializing.

Upon completion of any specializing course a student receives a diploma marked "special" in the major subject of the course completed.

Students are not permitted to enter upon Specializing courses before entering the Advanced Normal School Courses.

High School graduates and others who enter school with Freshmen standing are required in every case to conform to the "General Requirements for the Advanced Normal School Courses." See pp. — and —.

Conforming with these General Requirements Specializing Courses the Technical Departments have been arranged and are here given. The Specializing Courses in the Academic Departments are not published in this catalog but can be had upon application to the heads of the departments.

COMMERCE DEPARTMENT

1st Year	2nd Year	3rd Year
Elementary Pys 2½ hrs	Prin. of Teach. ..2½ hrs	Elect in Education
School Admn2½ hrs	Teaching2½ hrs	five hours of
Observation.2½ hrs	History of Ed. ...5 hrs	Sociology2½ hrs
Teachers Crs2½ hrs	Teachers Crs.2½ hrs	High Sch. Meth 2½ hrs
Teaching2½ hrs	English2½ hrs	Ethics2½ hrs
English5 hrs	Shorthand7½ hrs	or
Penmanship2½ hrs	Typewriting3¾ hrs	Supv. of Inst2½ hrs
Book-keeping7½ hrs	Penmanship1¼ hrs	Educational Pys 2½ hrs
Com'l Arith2½ hrs	Com'l Arith2½ hrs	Shorthand5 hrs
		Typewriting2½ hrs
		Com'l Law2½ hrs
		Pub. Finance2½ hrs
		Com'l Geog2½ hrs
		Elec.10 hrs

SPECIAL MUSIC COURSE FOR SUPERVISORS

First Year.

Voice—Two lessons per week by appointment, also singing in chorus or playing in orchestra or band nine months, course 16	2½ hours
Harmony, Course 6a and 6 b	5 hours
Elementary Psychology	2½ hours
School Administration	2½ hours
History of Music, course 11	5 hours
English, course 5	5 hours
Adv. Psychology, course 2	2½ hours
Hygiene, course 8.....	2½ hours
Prin., Language, course 13	2½ hours

Second Year

Voice—Two lessons per week by appointment, also singing in chorus or playing in orchestra or band nine months,

course 16	5 hours
Harmony, course 6c and 6d	5 hours
Orchestration, course 5	2½ hours
Methods, course 3	2½ hours
History of Education,	5 hours
Prin. of Teaching	2½ hours
Teaching	7½ hours

Third Year.

Voice—Two lessons per week by appointment, also singing in chorus or playing in orchestra or band nine months,

course 16	5 hours
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Piano—Two lessons per week by appointment, singing in chorus or playing in orchestra or band nine months,

course 15	5 hours
Instrumentation, course 9,	5 hours
Methods for grammar grades and high school, course 4	2½ hours
Counterpoint, course 7	5 hours
Musical form and composition, course 10	2½ hours
Education, electives	5 hours

SPECIALIZING COURSE IN HOUSEHOLD ARTS

First Year.

(30 Semester Hours)

Education	
Elem Psy.....	2½ hrs
School Adm.....	2½ hrs
Observation.....	2½ hrs
Teaching	2½ hrs
Teachers' Crs.....	2½ hrs
English	5 hrs
Requirements in Household Arts	
Model Sewing..	5 hrs
Cookery	2½ hrs
Phy. or Hyg.....	2½ hrs
Food Study	2½ hrs

Second Year.

(30 Semester Hours)

Education	
Elective	2½ hrs
Adv. Psy.....	2½ hrs
History of Ed..	5 hrs
Teach. in Household Arts	2½ hrs
Meth. in Household Arts	2½ hrs
English	2½ hrs
Requirements in Household Arts	
Mach. Sewing	2½ hrs
Cookery	5 hrs
Chemistry Gen..	2½ hrs
Chemistry Household	2½ hrs

Third Year.

(30 Semester Hours)

Education	
Elections in Ed. 5	hrs
Requirements in Household Arts	
Mach. Sewing	5 hrs
Cooking Adv.....	2½ hrs
Dietetics	2½ hrs
Textiles	2½ hrs
Millinery & Art	
Needle work.....	2½ hrs
Home Nursing.....	2½ hrs
Bacteriology.....	2½ hrs
Color Harmony	
& Dress Design.....	2½ hrs
Household Management	2½ hrs

Suggestions for Additional Elections.

Interior Decoration	2½ hours
Color Harmony and Dress Design, Adv	2½ hours
Industrial Arts in Education	2½ hours
Architectural Drawing	2½ hours
Theory and Practice of Teaching Manual Arts	2½ hours
Theory of Furniture Design	2½ hours
Chemistry, Adv.	2½ hours
Stenciling and Block Printing	2½ hours

DIRECTOR'S COURSE IN THE INDUSTRIAL ARTS

First Year

Education.

Elementary Psychology	2½ hours
School Administration	2½ hours
Observation	2½ hours
Principles of Teaching	2½ hours
Teachers' Course (Industrial Arts for Elementary Schools)	2½ hours

English	5 hours
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Industrial Arts

Mechanical Drawing	2½ hours
Elementary Shopwork in Wood	1¼ hours
Advanced Shopwork in Wood.....	5 hours
Industrial Education	2½ hours
Sheet Metal Work	1¼ hours

Second Year

Education.

History of Education	5 hours
Teaching (Industrial Arts)	5 hours
Teachers' Course (Economics of the Industrial Arts)	2½ hours

English	2½ hours
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Industrial Arts.

Mechanical Drawing	2½ hours
Elementary Wood Turning	2½ hours
Pattern Making	1¼ hours
Machine Woodworking	2½ hours
Forging	5 hours
Concrete and Cement Work	1¼ hours

Third Year

Education.

Electives	5 hours
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Industrial Arts

Architectural Drawing	5	hours
Machine Woodworking	2½	hours
House Building	5	hours
Machine Shop Practice	5	hours
Applied Design, Pottery or Applied Design Furniture)	2½	hours

Academic Electives.

Industrial Mathematics or Industrial Chemistry, or Physics. (Two to be elected.)	5	hours
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SPECIALIZING FINE ARTS COURSE

First Year

Elementary Psychology2½ hrs	12½ hrs. Electives from the following:
School Administration2½ hrs	Brush and Pencil Sketching.
Observation2½ hrs	Comp. and Perspective.
Teaching2½ hrs	Stenciling and Block printing.
Teachers' Course2½ hrs	Advanced Drawing a—b—c
English5 hrs	Dress Design.
	Textiles.
	Hand Sewing.
	Machine Sewing.
	Music, 3 quarters.
	Mechanical Drawing.

Second Year.

Principles of Teaching2½ hrs	Fifteen hours Electives from the following:
History of Ed.5 hrs	Special Problems.
Teaching2½ hrs	Pose and Cast Drawing.
Teachers' Course (Art)2½ hrs	Interior Decoration.
English2½ hrs	Commercial Design.
	History of Painting.
	Nature Study.
	Methods in Household Arts.
	Food Study.
	Music.

Third Year

Electives in Education 5 hrs	Fine Arts, or elected from the following: Tooled leather, History of Architecture and Sculpture, Furniture Design and House planning, Pottery, and Architectural Drawing 25 hrs
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SPECIAL PRIMARY TEACHER'S COURSE

First Year

Education.	
El. Psychology	2½ hrs
School Administration	2½ hrs
Principles of Teaching	2½ hrs
Adv. Psychology	2½ hrs
*Ed. Psychology	2½ hrs
English	7½ hrs
(Courses to be approved by Supt. of Training School. Juvenile Literature, Meth. in Reading and Prin. of Language Preferred. Teachers' Courses.	
Methods in Drawing	2½ hrs
Methods in Music	2½ hrs
*Methods in Manual Arts.....	2½ hrs
*Nature Study	2½ hrs

Second Year

Education.	
Primary Methods	5 hrs
*History of Education	5 hrs
*Kindergarten Theory	5 hrs
Teaching	7½ hrs
Teachers' Courses	
*Hygiene	2½ hrs
*Physical Education	2½ hrs
History Methods in Grades.....	2½ hrs

Following courses may be elected as substitutes for any of above subjects marked thus *. Substitutions must always have the approval of Superintendent of Training School. Sociology, Special Methods, Child Study, Supervision of Instruction, Methods in Geography, Reading Methods, Home Nursing.

Third Year—Supervisor's Course in Grades.

Education:		Special Methods	2½ hrs
Sociology	2½ hrs	Child Study	2½ hrs
Elementary Curriculum	2½ hrs	Art (Courses to be approved)	5 hrs
Supervision of Instruction.....	2½ hrs	Music (Courses to be approved)	5 hrs
Teaching and Practical Supervision	7½ hrs		

As many as three of the Academic Teachers' Courses may be substituted for any of the Educational courses.

SPECIAL KINDERGARTEN-PRIMARY COURSE

Note: This course differs from the Special Primary Course only in that 5 hours of Kindergarten teaching and 7½ hours of Kindergarten Theory are required. The electives will be made with due regard to

the aims of the course. Some special work in vocal and instrumental music is considered a prerequisite to this course.

DEPARTMENTS OF INSTRUCTION

The courses of instruction are listed by departments, and arranged alphabetically as follows:

ACADEMIC DEPARTMENT

Agriculture, Physiography and Geography.	French and German.
Biography.	History.
Chemistry, Physiology and Hygiene.	Latin and Greek.
Economics.	Mathematics.
Education.	Physics.
English Language and Literature.	Training School.

DEPARTMENT OF TECHNICAL SUBJECTS.

Commerce.	Manual Training.
Drawing.	Music.
Household Arts.	Physical Education.

AGRICULTURE, GEOGRAPHY, PHYSIOGRAPHY

MR. H. A. PHILLIPS, MR. B. A. PRATT.

Elementary Normal School Courses

AGRICULTURE

1. Agronomy. $\frac{1}{3}$ unit credit.

1a. Grain Judging.—Commercial judging and grading of grains, sorghums, legumes and small seeds; characteristics and history of the standard varieties; a study of the common weeds and weed seeds; and the method of conducting and judging community product exhibits at the school building.

2. Animal Husbandry. $\frac{2}{3}$ unit credit.

2a. Stock Judging.—This includes the different breeds and types of domestic animals; market classes and grades of livestock; score card and comparative judging; comparative value and use of farm animals; and the stock population of the nearby farms.

2b. Dairying.—This is a general course in dairying and consists of recitations on secretion, composition and properties of milk; the effect of the period of lactation; Babcock tester; farm cream separator; home butter making; various methods of cream raising; dairy sanitation; methods of handling milk; feeding the dairy cow; selecting and breeding up the herd; mixing feeds into a balanced ration; testing milk from the neighboring herds and keeping records for the same.

3. Horticulture. $\frac{1}{3}$ unit credit.

3a. **Plant Propagation and Gardening:**—This course includes the discussion of the principles and general methods of propagating plants by the means of seeds, bulbs, cuttings, layering, grafting and budding; seed testing, seed growing, and the treatment of seeds for plant diseases; the special requirements for propagating vegetables, commercial fruits and ornamental plants, such as, cold frames, hot beds, and green houses.

Gardening.—The method of growing and handling kitchen, vegetable, oramental, and commercial gardens; preparation of lawns, yards, and school grounds.

ADVANCED NORMAL SCHOOL COURSES

4. Agronomy.

4a. Crop Production.—2½ hrs. (Prerequisite, Agronomy 1t. This course consists of a study of the essentials of crop production, including the methods of plant breeding as applied to the cereals and forage crops; systems of cropping and crop rotations, which are in operation on the Normal Farm, methods of culture; crops for the silo, field selection, harvesting and storing; the requirements of the Boys' Acre Yield Contest; and the arrangement of agricultural exhibits.

4b. Soils.—2½ hrs. (Prerequisite, Chem. 1, Physics, 2, and Physiog.
3). This course emphasizes the laboratory study of soils from the
Normal Farm and from the home of students; Missouri soil survey;
physical, chemical and biological nature of soils; soil texture,
capillarity, methods of conserving moisture and preventing erosion,
preparation of seed beds; use of manure and fertilizers; a study of

tillage machinery. The apparatus suggested by the State Department of Education will be used as far as possible in conducting the soil experiments.

5. **Animal Husbandry.**

5a. Milk Production, 2½ hours.—(Prerequisites, Animal Husbandry 2b). The students of this course work in co-operation with the Johnson County Bureau of Agriculture, Warrensburg creamery, and the adjacent farmers. Special work is given on sampling, weighing and grading cream; pasteurizing milk and cream; home butter making; city milk supply; keeping milk records by the use of the cream and milk scales and the Babcock tester; how conduct cow testing associations and dairy ..

5b. Poultry Raising.—2½, Animal Husbandry 1a). This course takes up the problems of poultry management on the general farm. The subjects of breeding, feeding, incubating, fattening, killing, dressing, marketing, keeping feed and egg records, testing fertile and unfertile eggs; history classes, varieties, types breeds; scoring and judging; housing and yarding.

5c. Animal Breeding.—2½ hrs. (Prerequisite, Animal Husbandry 2a). A study of the types of the domestic animals with particular reference to the history, breeds, type, development and characteristics; discussions on reproduction, variation, heredity, selection, line breeding, cross breeding and methods of improvement, judging, management, and diseases of farm animals.

5d. Feeds and Feeding.—2½ hrs. (Prerequisite, Chem. 1, Physiology 4). This course treats of the comparative composition of plants and animals and the process of nutrition; the composition and value of farm feeds, practical rations for domestic animals and the economical use of silage, soilage and pasturage.

6. **Horticulture.**

6a. Fruit Production.—2½ hrs. (Prerequisite, Biology 2 and 5). Planting, cultivating, pruning, spraying, gathering and marketing orchard and small fruits; the management of the home orchards preparation of spray mixtures and the use of spraying equipment.

7. **Bacteriology.—2½ hrs. Prerequisite, Biology 3.**

The science of bacteriology is presented to the students as a fact of everyday life. In this subject only the simplest forms of life, consisting chiefly of the bacterial flora of the dairy products, soils, and water are studied. The most important view point from which the subject is approached is in respect to its practical application in agriculture, medicine, domestic science, and sanitation.

8. Farm Management.—2½ hrs. (Prerequisite, Agric. 4a, 4b, 5b, 6a).

The purpose of this course is to group and correlate the principles gained throughout the agricultural course in such a way that the student may obtain a distinct vision of the entire field of agriculture. The characteristics of the farmer; records and accounts; crop, soil and live stock management; the adjustment of capital, labor, and real estate, the relation of the hired man, tenant and land owner. Rural conditions with respect to people, roads, schools, churches, social organizations and conveniences also find consideration in this course. Laboratory—Students are required to furnish plans and inventories of their own farms, or a farm with which they are familiar, together with a financial record of one year's actual operations. The farm is then replanned in accordance with the principles developed in this course. Neighboring farms are visited and studied with the idea of securing first hand information as to the farm plan, especially with the respect to the arrangement of the fields, to the building of the farmstead, and to the relation of the crops used.

GEOGRAPHY AND PHYSIOGRAPHY

MR. H. A. PHILLIPS

Elementary Normal School Courses

1. GENERAL GEOGRAPHY. ½ unit.

This course is designed for students taking the Rural School Course. It will consist of a survey of the general field of geography with particular reference to the rural schools. A consideration of home geography and an intensive study of the geography of Missouri will be given. Map making and other modes of expression will receive attention.

2. DESCRIPTIVE AND REGIONAL GEOGRAPHY. ½ unit.

This course considers the controls, geographic principles, and the responses that have developed any region as the wheat, cotton, and corn belt, or any manufacturing center. An intensive study of the description and physiographic regions of North America will be made. Also of the other grand divisions as time will permit. A reason for the location of cities and their relation to the occupation, social life, and advancement of the people will be carefully studied.

3. PHYSIOGRAPHY. $\frac{2}{3}$ unit.

This course extends through two terms. The first term will be devoted to the study of land forms and geographic processes; the second term to the atmosphere and water bodies. The relation of physical conditions to human interests will be emphasized throughout the course. Field trips and class room exercises, supplement to class discussions.

Advanced Normal School Courses.

1. METHODS IN GEOGRAPHY. $2\frac{1}{2}$ hours.

This course is open to students who have reached the Freshman year of the advanced course. It is intended for those who expect to teach in rural schools, grades of city schools, or who expect to supervise those who are teaching. This course will consist of a study of methods, use and misuse of maps, relation of geography to history, agriculture, and other subjects, a suggestive outline for home geography, a consideration of the conservation of the natural resources of the United States. Sutherlands "The Teaching of Geography" and Dodge and Kirchway "The Teaching of Geography in Elementary Schools" will be used as reference. This course may be elected as a teacher's course for those taking out the Regents certificate.

2. ADVANCED PHYSIOGRAPHY. $2\frac{1}{2}$ hours.

This is an elective course of one term and is intended for students making special preparation for teaching Physiography in four year high schools.

In all the courses, students are required to do field work, and laboratory work. Prerequisites—Elementary Physiography and Physics. 2a or 2b.

BIOLOGY

MR. GANTZ

Elementary Normal School Courses.

1. GENERAL SCIENCE (BIOLOGICAL ASPECT) $\frac{1}{2}$ unit.

This course purposes to acquaint the student with living things as to their chief characteristics, home life, parts of plant and animal body, transportation of foods, and reproduction.

2. GENERAL BOTANY. $\frac{1}{3}$ unit.

The student will become acquainted with the chief groups of the plant kingdom. The structural phase will receive most emphasis thus

making it possible for the learner to understand nutrition, Respiration and germination. The field work will give first hand knowledge of the more common weeds and other flowering plants of this vicinity.

3. ALGAE AND FUNGI. $\frac{1}{3}$ unit.

This course will study the plant cell, Algae and Fungi. The fresh water algae of this vicinity will be used to study structure, life history, origin of sex, place of environment, reproduction and nutrition. In the work with Fungi, the slime moulds, bread moulds and many plant diseases such as grape mildew, ergot of rye, pear blights, rust of berry, rust of wheat and smut of corn and oats, will receive careful attention. Much field work will be required of students. This course will be of much help to students of agriculture.

4. GENERAL ZOOLOGY. $\frac{1}{3}$ unit.

The purpose of this course is to give a general knowledge of the entire animal kingdom and a detailed study of a cray-fish or some insect and a frog. Such animals will afford opportunity to study structure and function of the parts of body while an example of lower and more advanced type of animal life.

5. INSECTS. $\frac{1}{3}$ unit.

It will study at first hand those insects which are injurious and beneficial to this locality. Much field work will be done. Our many reference books and our well chosen collection of insects will help much to make this a successful course.

Advanced Normal School Courses

6. LIVERWORTS, MOSSES AND FERNS. $2\frac{1}{2}$ hours.

Prerequisite is Course 2. An intensive study of Liverworts, Mosses and Ferns as to Morphology, embryology and physiology. Students will learn to identify the common forms of this locality.

7. SEED PLANTS. $2\frac{1}{2}$ hours.

Prerequisite is Course 2. This course naturally falls into two divisions; namely: Gymnosperms and Angiosperms. In the study of the evergreens, the conifers receive most attention. In the study of the higher seed plants, an intensive study of morphology and physiology; a systematic study of the more common flowering plants of Missouri will be a feature of the course.

8. (No. 5 in Teacher's Courses) NATURE STUDY. $2\frac{1}{2}$ hours.

This is a Teacher's Course. It has in mind those who are expecting

to teach children in the grades. The work includes the following: courses of study, methods of presenting material, study of our common trees, birds, insects, flowers, germination and school garden. This course hopes to introduce and have you know your near neighbors—plants and animals. This course may be elected as a Teachers' Course for those taking out the Regent's certificate.

9. INVERTEBRATE ZOOLOGY. 2½ hours.

Prerequisite is zoology 4. This course makes an intensive study of animals having no back-bones. The student will study each phylum beginning with Protozoans and ending with Arthropods. Such questions as Origin of sex, reproduction, development, heredity, environment and evolution will be given attention.

10. VERTEBRATE ZOOLOGY. 2½ hours.

Prerequisite is Zoology 4. This is a course of Comparative Anatomy of the Vertebrates. Each student is required to dissect a fish, frog, turtle, bird, and some mammal. A careful drawing of each system is prepared by each member of the class.

CHEMISTRY, PHYSIOLOGY, AND HYGIENE

MR. WALTERS

Mr.

Elementary Normal Courses.

1. GENERAL CHEMISTRY. (Two terms). ⅔ unit.

1a. **First term.** Chemical changes. Compounds and elements. Atomic theory. Valence. Equation writing and the kinds of chemical interactions. Brief study of several important elements. Acids and bases. Two hours per week laboratory work.

1b. **Second Term.** Continuation of 1a. Chemical equivalents. Molecular and atomic weights. Preparation of acids and bases. Compounds of sulphur, nitrogen, phosphorus, chlorine, and other important elements. Two hours per week laboratory work. Prerequisite, Chemistry 1a.

2. PHYSIOLOGY. (One term) ⅓ unit.

This is a general course equivalent to the Physiology offered by our best high schools. The work includes five recitations per week and one laboratory period. Textbook: Walters "Physiology and Hygiene for Secondary Schools."

Advanced Normal School Courses

3. INDUSTRIAL CHEMISTRY. 2½ hours.

This work is in general an answer to the question: How are the elements and compounds supplied by nature converted into such forms as are useful to man? Among the topics considered are the separation of metals from their ores, the preparation of glass, line, cement, steel, and other useful substances, and the purification of various drugs and chemicals. The laboratory work of two hours per week consists largely of the preparation of metallic compounds. Prerequisite, Chemistry 1.

4. GENERAL HOUSEHOLD CHEMISTRY. 2½ hours.

Application of the principles of general chemistry to the home. Chemistry of cleaning. Preparation and testing of soaps and washing compounds. Detection of food adulterants and preservatives. Baking powders and the chemistry of cooking. Chemical phase of sanitation. Bleaching and dyeing. Household fuels, etc., Prerequisite, Chemistry 1.

5. CHEMICAL ANALYSIS. 5 hours.

5a. (Two and one-half hours) Methods of qualitative analysis. Separation and detection of bases. A laboratory course, requiring from two to ten hours per week of individual work. Prerequisite, Chemistry 1.

5b. (Two and one-half hours.) Acid analysis. Methods of quantitative analysis. Volumetric Analysis. Laboratory course, requiring from two to ten hours per week of individual work. Prerequisite, Chemistry 1, and Chemical Analysis 5a.

6. ORGANIC CHEMISTRY. 2½ hours.

General survey of field. Methods of organic work. Special consideration of the organic compounds of everyday life. One hour per week of laboratory work. Prerequisite, Chemistry 1.

7. CHEMISTRY OF FOODS AND TEXTILES. 2½ hours.

Composition and properties of carbohydrates, fats, proteins, and organic acids, and their adaptation to the animal body. Food analysis. The Chemistry of the common textiles. For Students in Domestic Science and Agriculture. Prerequisite, Chemistry 1, and Physiology 2.

8. TEACHERS COURSE IN HYGIENE. 2½ hours.

The general theme of this course is health control. The student is brought into a knowledge of the conditions and influences of everyday life that make for disease and those also which make for health. Methods of teaching and methods of applying the principles of hygiene.

Health of teacher and health of pupil considered side by side. Teachers who have found it hard to keep up while teaching will get many practical suggestions from this course. Prerequisite: Physiology 2.

ECONOMICS

MR. MORROW

Advanced Normal School Course.

1. GENERAL ECONOMICS.

A course intended to give the student a knowledge of Economic organization and processes; an intelligent interest in Economic questions and politics; the ability to think clearly, independently and fairly on politico-economic questions; and a desire to help secure economic justice.

Text: Ely's Principles of Economics, Rev.

1a. **First Term.**—Introduction to the study of Economics, Consumption, Production. 2½ hours.

1b. **Second Term.**—Value and Exchange, Distribution. 2½ hours.

1c. **Third Term.**—Relation of the State to Industry, Public Finance, History of Economic Thought. 2½ hours.

2. ECONOMIC HISTORY.

After a brief consideration of the Industrial Revolution in England, a greater portion of this course will be devoted to a study of the industrial development of the United States. 2½ hours.

3. ECONOMIC GEOGRAPHY.

A study of the most significant geographical facts touching commerce and industry. Industrial influences will also be made prominent. 2½ hours.

4. PUBLIC FINANCE.

Open to those who have completed Course 1 or its equivalent.

A course dealing with the principles of taxation, public expenditures, public revenues (Federal, state and local), and the proper relation of the State to Industry. 2½ hours.

5. HISTORY OF ECONOMIC THOUGHT.

Open to those who have completed Course 1 or its equivalent.

The work of this course will consist chiefly of a careful examination

of the writings of the most prominent Economists from Adam Smith to the present, with the purpose of discovering the basis upon which has been builded the more satisfactory Modern Economic Theory and bettering present theory as a basis for future development. 2½ hours.

6. **COMMERCIAL LAW.** 2½ hours.

This course is designed to give the student a knowledge of the fundamental rules that govern and underlie commercial transactions, thus enabling him to avoid legal complications and, in case of necessity, to know when to consult legal advice. The chief aim is to present in a clear and comprehensive manner the principles governing Contracts in general, Sale of Goods, Insurance, Credits and Loans, Contracts of Guaranty, Negotiable Instruments, Agency, Partnership and Joint Stock Companies, and Real and Personal Property. Practical discussions are taken up in class. This course is required in the Specializing Commerce Course.

EDUCATION

MR. C. A. PHILLIPS, MR. McPHEETERS, MISS HUMPHREYS, MR. HUDSON

Psychology

1. **ELEMENTARY PSYCHOLOGY.** ⅓ unit or 2½ hours.

Should precede Training School work. This course is intended to give the student a general view of the processes by which we come to know and adjust ourselves to the world of objects. The psychology of the nervous system and the sense organs are studied in their relation to mental phenomena.

The course is based upon Pillsbury's Essentials of Psychology. This is supplemented by lectures and demonstrations with apparatus.

2. **ADVANCED PSYCHOLOGY.** 2½ hours.

Presupposes Course 1, or its equivalent. This course is intended to enlarge the view obtained in the Elementary Course. Emphasis is placed upon the relations of the fundamental principles of mental activity to the practical school work. Angell's Psychology will be used as a basis for the class discussions. The library is well supplied with reference works.

3. **EDUCATIONAL PSYCHOLOGY.** 2½ hours.

Presupposes Course 2, or its equivalent. This is a course of lectures,

demonstrations and reports, dealing with the results of experimental methods as applied to educational problems. The students will be required to familiarize themselves with Kirkpatrick, Fundamentals of Child Study, Thorndike, Educational Psychology, in addition to preparing reports on Monographs and the current Educational literature.

4. PSYCHOLOGY OF CHILDHOOD. 2½ hours.

This course on the physical and mental development of children is supplementary to and presupposes Course 2. It is designed to present the facts of the nature and development of the mind during childhood and adolescence with special reference to their meaning for the teacher.

Pedagogy.

5. RURAL SCHOOL MANAGEMENT. ⅓ unit.

Considerable time will be devoted to the study of State Course of Study, and among the other topics considered will be: (a) The teacher, his qualifications, duties, and his obligations to the children and the community.

(b) School grounds, building and school room equipment.

(c) Making the daily program.

(d) Grading the school.

(e) Rural Graduation.

(f) School games and plays.

(g) Methods of class instruction.

(h) School law.

6. RURAL SCHOOL METHODS. ⅓ unit.

This course will take up the pedagogy of the common school branches in such a way as to meet the needs of the teacher in one-room schools. The first four years of school life will receive the larger share of attention. The methods and material for teaching reading, numbers, language and natural history will receive detailed consideration. The organization, alternation and correlation of these subjects will be fully discussed.

7. PRINCIPLES OF TEACHING. 2½ hours.

Consideration will be given to the essential principles underlying and determining the whole educative process. Prerequisites, El. Psychology and School Administration.

8. SPECIAL METHODS. 2½ hours.

This course will consider the content, aims, materials, and methods in each of the leading subjects in the elementary school curriculum.

Some effort will be made to show proper correlation and co-ordination among the subjects of the common school course of study. Prerequisites, Psychology 1, Pedagogy 7 and 9.

9. SCHOOL ADMINISTRATION. $2\frac{1}{2}$ hours or $\frac{1}{3}$ unit.

Required for graduates of first class high schools. This course may not be taken by students who have had course 1. The following topics are treated: (a) The location and construction of school buildings. (b) Organization and graduation of schools. (c) Problems of classroom management. (d) The school board. (e) The principal and special supervisors. (f) The superintendent. (g) The school and the community.

10. HIGH SCHOOL PROBLEMS. $2\frac{1}{2}$ hours.

This course will consider the history, aims and methods of secondary school teaching, also the course of study for the various classes of high schools. Each student will be expected to do the general work of the course and to prepare a term paper on the high school subject in which he is specializing.

11. HISTORY OF EDUCATION. 5 hours.

Two terms required. During the first term a detailed study will be made of Oriental, Greek, Roman and Medieval schools. The second terms' work will consist of a special study of the great reformers during the modern period, such as Comenius, Rousseau, Pestalozzi, Herbart, Froebel and Horace Mann. The course will close with a brief study of modern school systems, in which the schools of Germany, France, England and the United States will be studied comparatively. For Sophomores, Juniors or Seniors.

12. SUPERVISION OF INSTRUCTION. $2\frac{1}{2}$ hours.

To get the proper point of view for the observation and criticism of instruction, the first part of the course will be devoted to the study of the principles and aims of education. The second part will be devoted to observation and criticism of lessons as taught in the Training School and Normal. The third part will be taken up with some of the supervisor's important problems, such as: (a) Retardation of pupils. (b) Elimination of pupils. (c) Methods of promotion. (d) Vital school statistics. (e) Estimating the worth of a teacher. The course is open to principals, superintendents and others preparing for the work of supervision.

13. EDUCATIONAL SOCIOLOGY. $2\frac{1}{2}$ hours.

This course will consist of lectures, recitations and reports, and in fundamental social problems. Among those considered will be the fam-

ily, the church, the state, the social aspects of industrial organizations, and the social functions of the school.

14. ETHICS. 2½ hours.

The course consists of three parts. First, a brief historical survey of the ethical teachings of a few of the world's greatest philosophical thinkers; second, starting from psychology, the fact of the moral nature are considered, and ideals of conduct and character are discussed; third, the work of the teacher in this field is examined, and the way in which different subjects of the curriculum may contribute toward moral development is considered.

15. HISTORY IN MISSOURI. 2½ hours.

This course will include a detailed study of the history and organization of the various types of schools in the state. For example, Elementary Schools, Secondary Schools, Normal Schools, Colleges and Universities, and Special Schools. Some attention will be given to the supervision of schools as carried on by the County Superintendent and the State Superintendent. Missouri School Law will also receive considerable attention.

16. MODERN SCHOOL SYSTEMS. 2½ hours.

Graduate course. The course will offer a somewhat detailed study of primary, secondary, higher, and professional education in Germany, France, England, and the United States. A brief historical study will be made of each of the systems, but the larger emphasis will be put upon a comparative study of these systems as they are now working, with some little attention to the marked educational tendencies of each.

17. PHILOSOPHY OF EDUCATION. GRADUATE COURSE. 2½ hours.

A critical examination will be made of the more important problems of modern educational theory, such as the Biological, Psychological, Ethical and Sociological tendencies. The course will include lectures, class discussions and reports. The current pedagogical literature will be brought to the attention of the class.

ENGLISH LANGUAGE AND LITERATURE

MR. COUTER, MISS BALL, MR. MARTIN, MR. ABBOTT, MISS BRYAN,
MISS TODD.

Elementary Normal Course

Six point—Mr. Coulter, Miss Ball, Mr. Martin, Mr. Abbott, Miss Bryan, Miss Todd.

1. FIRST YEAR ENGLISH. 1 unit.

This is a course in literature, written and oral composition, and grammatical analysis, covering the work of three terms. The reading is from Irving, Longfellow, Dickens, Franklin, Scott, and Goldsmith. In the composition work emphasis is placed upon oral and written themes in brief narrative form. The work in analysis is done in connection with the themes and is intended to show the student his weakness in expression, and effective methods of correction.

2. SECOND YEAR ENGLISH. 3 terms, 1 unit.

The reading from four to six authors each term, Narrative, descriptive, and expository devices studied. Considerable work in oral composition. Themes in the form of story, description, and criticism of authors read.

3. THIRD YEAR ENGLISH. 3 terms, 1 unit.

This course continues the work of Courses 1 and 2. The reading for this year will be in biography, and in English and American authors.

4. FOURTH YEAR ENGLISH. 3 terms.

4a. **American Literature.** $\frac{2}{3}$ unit credit.

Courses 1, 2 and 3, prerequisites. This course presents the American writers not only as artists and producers of literature, but also as thinkers, and leaders of thought in their times. It is an introduction to the history of the development of culture in America.

4b. **Reviews.** $\frac{1}{3}$ unit credit.

Advanced Normal Course

The following courses are open to students who have completed the Elementary Normal Course, and to graduates of first class high schools.

5. COMPOSITION. $7\frac{1}{2}$ hours.

All candidates for Diploma are required to take this course. The

aim of the course is to give reasonable knowledge of correct English idiom and to present methods for conducting composition classes.

Course 12 may be substituted for one-third of this course.

6. HISTORY OF ENGLISH LITERATURE. 2 terms, 5 hours.

This course has to do with the literary movements in English literature from the earliest times to the close of the nineteenth century. The course aims to be supplementary to the high school course in English literature. Approved by the State Department for state credits in English Literature.

7. METHODS IN READING. 1 term, 2½ hours.

This course will deal with methods of teaching reading in the elementary grades. Practice will be given in oral reading, dramatic reading, oral reproduction of stories, and dramatization. The work will be designed to meet the needs of those who intend to teach or supervise in the elementary schools. This is a Teachers' Course and may be elected in the Elementary Normal School Course.

8. SHAKESPEARE. 1 term. 2½ hours.

Prerequisite: Course 6, or its equivalent. The purpose of this course is to give the student a knowledge of Shakespeare's dramatic power. Several plays will be read intensively. Others will be assigned for reading out of class.

10. VICTORIAN POETS. 1 term, 2½ hours.

A close study of the characteristics of the literary movement which centers around the middle of the nineteenth century.

11. AMERICAN POETS. 1 term, 2½ hours.

Course 4a, or its equivalent, prerequisite. This course is intended to supplement the high school work in the American literature and give a broader knowledge of the greater American poets.

12. PRINCIPLES OF LANGUAGE. 1 term, 2½ hours.

This course is open to all applicants for the Regents' Certificate, and to those who have had work equivalent to high school graduation. It is an advanced course in grammar, and in methods of teaching grammar and composition in the upper grades and the high school. Approved for state credit instead of History of the English Language.

13. PRINCIPLES OF CRITICISM. 1 term, 2½ hours.

Prerequisite for this course is one of the following: 6, 8, 10, 11, or work in literature satisfactory to the instructor.

14. JUVENILE LITERATURE. 1 term, 2½ hours.

This course emphasizes: (1) Familiarity with various types and

grades of literature for children. (2) Principles of selection of children's books. (3) Methods of presentation.

15. WORDSWORTH AND THE LAKE POETS. 1 term, 2½ hours.

Special attention is given to the influence of the economic and social theories of the late eighteenth century upon these poets.

16. TENNYSON. 1 term, 2½ hours.

A reading of the Idylls of the King, and In Memoriam, along with many of the shorter poems. The object is to show Tennyson as an interpreter of the thought and life of the England of his time.

17. ORIGIN AND DEVELOPMENT OF THE MODERN DRAMA—

1 term, 2½ hours.

The development of the liturgic drama in England until its decline in the Sixteenth Century. The development of the Elizabethan drama from the dramatic prelusions of the Masters of the Chapel Royal.

18. CONTEMPORARY LITERATURE. 1 term, 2½ hours.

Reading in the characteristic American and European fiction, poetry and drama of the past twenty years.

19. THE EPIC. 2½ hours.

A comparative study of the various epics, with special stress on the English epics.

20. THE ENGLISH NOVEL. 5 hours.

Two quarters, which may be elected separately. The course gives a complete view of English prose fiction. The work of the first term closes with Scott. The second term presents the nineteenth century novel after Scott.

21. BROWNING, 2½ hours.

The more significant of the poems are read in the order of their writing, and an attempt is made to present something of the development of Browning's ideas and literary methods.

Special Courses in Oral English

22. READING AND SPEAKING. 2 terms, 2½ hours.

This course is intended to aid the student in the development of a clear, strong voice, and its use in correct articulation; the expression of simple emotions, both in conversation and in the oral interpretation

of the printed page. There is some discussion of methods of teaching reading in the rural and elementary schools.

23. **ADVANCED READING.** 1 term, 1¼ hours.

This course is offered to those students who have completed Course 1, or its equivalent. It is an advanced course in the art of oral expression.

24. **PUBLIC SPEAKING.** 2½ hours.

In this course students are taught the basic principles of effective speaking from the constructive as well as from the oral standpoint. Frequent briefs and themes are required, and as much practice as possible in extemporaneous and prepared speeches are given.

FRENCH
MISS HARRIS

Elementary or College Rank

1. FIRST YEAR FRENCH.

1a. First Quarter. Fraser and Squair's French Grammar. Lessons I-XX, and the regular verbs. Reading, *Les Plus Jolis Contes des Fees*. Dictation and Conversation based on texts. ⅓ unit or 2½ hours credit.

1b. Second Quarter. Fraser and Squair's French Grammar. Lessons XX-XL. Reading, *Le Petit Robinson de Paris* and *Le Francais et Patrie*. Conversation and Dictation. ⅓ unit or 2½ hours credit.

1c. Third Quarter. Irregular verbs. Reading, *Le Voyage de Monsieur Perrichon* and *Le Francais et La Patrie* continued. Conversation and Composition. ⅓ unit or 2½ hours credit.

2. SECOND YEAR FRENCH.

Prerequisite: Course 1.

2a. First Quarter. Composition and Conversation. Reading, Hugo's *Les Miserables*, Daudet's *Contes Choisis*. ⅓ unit or 2½ hours credit.

2b. Second Quarter. Composition, Dictation, Conversation, Reading, Moliere's *L'Avare* and Daudet's *Tartarin de Taraseon*. ⅓ unit or 2½ hours credit.

3b. Third Quarter. Dictation and Conversation. Reading, *Sands La Petite Fadette* and Dumas' *Les Trois Mousquetaires*. Labiche and Martin's *Poudre aux Yeux* is read out side of class and a resume of it written in French. ⅓ unit or 2½ hours credit.

College Rank

3. THIRD YEAR FRENCH.

Prerequisite: Course 2. Three Quarters. History of French literature since the Sixteenth Century. Selections are read from Corneille, Moliere, Racine, Madame de Sevigne, Voltaire, Hugo, De Vigny, and Rostand. 7½ hours credit.

Advanced courses in French will be given if there is sufficient demand.

GERMAN MISS HARRIS

Elementary or College Rank

1. FIRST YEAR GERMAN.

1a. First Quarter. Vos, Essentials of German. Lessons I-XV. Dictation and Conversation. ⅓ unit or 2½ hours credit.

1b. Second Quarter. Vos, Essentials of German. Lessons XV-XXVI. Conversation, Dictation and Memory work. Reading, Seeligmann's Altes und Neues. ⅓ unit or 2½ hours credit.

1c. Third Quarter. Vos, finished. Conversation, Dictation and memory work. Reading, Seidel's Der Lindenbaum or equivalent. ⅓ unit or 2½ hours credit.

2. SECOND YEAR GERMAN.

Prerequisite: Course 1.

2a. Composition and Conversation based on Pope's German Composition. Reading, Hauff's Tales, Bacon's Im Vaterland. ⅓ unit or 2½ hours credit.

2b. Second Quarter. Composition and Conversation. Reading, Schiller's Der Neffe Als Onkel. Arnold's Ein Regentag auf dem Lande, Bacon's Im Vaterland, continued. ⅓ unit or 2½ hours credit.

2c. Third Quarter. Dictation and Conversation. Reading, Schiller's Wilhelm Tell, and Moser's Der Bibliothekar, Im Vaterland, finished. ⅓ unit or 2½ hours credit.

College Rank

3. THIRD YEAR GERMAN.

Prerequisite: Course 2.

3a. First Quarter. Advanced Composition. Reading, Freytag's Die Journalisten, Goethe's Hermann und Dorothea, Heye's Die Hochzelt auf Capri. 2½ hours credit.

3b. Second Quarter. Exercises in sight translation. Conversation. Reading, Arnold's *Aprilwetter*. Baumbach's *Der Schwiezerohn*. 2½ hours credit.

3c. Third Quarter. Sight translation. Conversation. Short papers in German. Reading, Schiller's *Die Jungfrau von Orleans* Lessing's *Minna von Barnhelm*. 2½ hours credit.

4. FOURTH YEAR GERMAN.

4a. First Quarter. Advanced Composition, Conversation. Reading, Schiller's *Das Lied von Der Glocke*, Sudermann's *Frau Sorge*. Another classic is read outside of class and a report of it written in German. 2½ hours credit.

4b. Second Quarter. Advanced Composition, Conversation. Reading, Schiller's *Maria Stuart*, Heine's *Die Harzreise*. Exercises based on Lambert's German Idioms. Another classic read outside of class and a report written in German. 2½ hours credit.

4c. Third Quarter. Lambert's German Idioms finished. Conversation. Reports written in German of newspaper articles. Reading, Lessing's *Nathan der Weise*. Another classic read outside of class, report of it written in German. 2½ hours credit.

Prerequisites: Courses 1, 2, 3.

5. MODERN GERMAN LITERATURE.

Three Quarters. Intensive study of modern dramatists and novelists. 7½ hours credit

6. TEACHER'S COURSE.

Prerequisites: Courses 1, 2, 3.

This course includes a thorough review of German Grammar and Syntax, a consideration of methods and examination and discussion of text books. 2½ hours credit.

Note. At least three quarters of work in French or German must be taken to count toward graduation.

HISTORY

Elementary Normal School Courses

1. ANCIENT HISTORY.

1a. The Orient. ½ Unit. A study of the development of organized governments, industries, manners and customs of life in the Nile and Tigris-Euphrates Valleys.

1b. Greece. $\frac{1}{3}$ unit. The essentials of the history of Greece.

1c. Rome. $\frac{1}{3}$ unit. The essentials of the history of Rome and the beginnings of the Barbarian Kingdoms. Especial attention paid to methods of study and investigation.

2. MEDIAEVAL AND MODERN HISTORY.

2a. Mediaeval. $\frac{1}{3}$ Unit. The work is based on Robinson as text. Great events, such as the Hundred Years' War, the Reformation, and tendencies leading to the French Revolution, are developed with the aid of reference books.

2b. Modern History to the French Revolution. $\frac{1}{3}$ Unit. Great events, such as crusades, feudal systems, etc., are developed with the aid of reference books.

2c. Modern History to the Present Time. $\frac{1}{3}$ Unit. A survey of the main events of History since the Reformation.

3. AMERICAN HISTORY AND GOVERNMENT.

3a. Colonies and Nations. $\frac{1}{3}$ Unit. This course which extends to about 1830, considers the colonial period briefly and emphasizes the formation and growth of the new republic as a nation.

3b. Division, Reunion and Development. $\frac{1}{3}$ Unit. The periods of disunion and reconstruction are followed by a study of the political and industrial development extending to the present.

3c. Government of the State and Nation. $\frac{1}{3}$ Unit. An analysis of the structure and working of government in state and nation.

4. ENGLISH HISTORY.

(Students specializing in History should take the first two terms of English History before American History.)

4a. Formation. $\frac{1}{3}$ unit. The growth of national unity and the development of an absolute monarchy are traced from the beginnings through the early Tudor period.

4b. Development. $\frac{1}{3}$ Unit. The growth of democracy and expansion of empire are followed to the present time.

5. THE HISTORY OF MISSOURI. $\frac{1}{3}$ unit.

The growth of democracy and expansion of empire are followed to the present time.

Advanced Normal School Courses

6. ENGLISH HISTORY.

6. **Constitutional History of England.** 2½ hours. A study of the present government of English people including political party and party organizations. Lowell's "The Government of England" used as a text. Open to students who have completed 4a and 4b.

7. ADVANCED AMERICAN HISTORY.

7a. **Colonial History.** 2½ hours. This course, extending to 1763, gives particular attention to the beginnings and growth of settlements, and to the development of colonial government. In addition to lectures and text books, collateral reading and topics will be required.

7b. **Formation of the Union.** 2½ hours. This course extends to about 1830, and emphasizes the formation and development of the Union. As far as possible, source material will be used. Lectures, quizzes, and topics.

7c. **The Civil War and Recent Development.** 2½ hours. Stress is placed upon the Civil War, Reconstruction and recent political, social, and industrial problems, lectures and research work and quizzes.

7d. **Advanced Civil Government.** 2½ hours. A study of local, state and national government as a whole. The machinery of government is considered, but emphasis is given to the functions of government under American conditions.

8. ADVANCED EUROPEAN HISTORY.

8a. **Advanced European History.** 2½ hours. A study of Mediaeval Institutions and the Reformation from the sources and extended histories. Prerequisite, Mediaeval and Modern History.

8b... **Advanced European History.** 2½ hours. Periods of the Reformation and the French Revolution. Sources and library references used in the preparation of topics and papers.

8c. **Advanced European History.** 2½ hours. Comparative study of Governments of Europe. France and Germany are used as a basis for comparison and for studying the life of the people with reference to new ideas of government.

8d. **Nineteenth Century History.** 2½ hours. The development of industrial, social, and political Europe during the last century is the subject of this special study.

9. CURRENT HISTORY AND METHODS.

9a. **Current History.** 2½ hours. A study of present political and social movements from periodical literature. Prerequisite, all required history.

18 or 9b. Methods of Teaching History in the Grades. 2½ hrs. This course will include subject matter and methods for the study of history in the grades. Special attention will be given to the use of illustrative materials, devices for impressing facts and methods of organizing these in an orderly way.

19 or 9c. Methods of Teaching History in High School. 2½ horus. A course designed for students who specialize in history and who expect to teach in high school.

LATIN

Elementary Course

1. BEGINNING LATIN. 1 unit.

1a. First Term—D'ooge's Beginning Latin Book. Lessons 1-26.

1b. Second Term—D'ooge's Beginning Latin Book. Lessons 26-58.

1c. Third Term—D'ooge's Beginning Latin Book completed. Outlines of Latin Grammar, published by the department, are used throughout the year.

2. REVIEW OF BEGINNING LATIN.

For students who are taking this as the last quarter of Course 1, the credit is ⅓ unit. For students who have no credit in Latin in this school and are taking it as a review, the credit is one unit.

The texts used are the same as in Course 1.

3. CAESAR AND PROSE COMPOSITION. 1 unit.

Attention throughout this course is given to syntax and to sentence structure.

Allen & Greenough's Caesar. Bennett's Grammar.

3a. First Term—Book 1.

3b. Second Term—Twenty-five lessons in Abbott's Prose Composition, Book 11.

3c. Third Term—Books III and IV.

Advanced Course

4. ADVANCED LATIN GRAMMAR AND PROSE COMPOSITION. 5 hours.

Prerequisites, Courses 1 and 3. The writing of illustrative Latin sentences continues throughout both terms.

Jones' Latin Prose Composition, Bennett's Latin Grammar, Outlines of Latin Grammar, published by the department.

4a. **First Term**—A thorough study of forms and their development. The syntax of the verb.

4b. **Second Term**—The syntax and classification of the noun and pronoun.

Given in the Fall and Winter Terms.

5. SALLUST'S JUGURTHA. 2½ hours.

Prerequisite, Course 4. A finished English translation is required, together with a study of the peculiarities of Sallust's style. Chase & Stuart's Sallust.

Given in the Spring Term.

6. CICERO'S ORATIONS AGAINST CATILINE AND FOR THE POET ARCHIAS. 5 hours.

Two terms. Prerequisite, Course 4. A detailed study of Cicero's style, sentence structure and syntax, also of his life and character. D'ooqe's Cicero.

Given in the Winter and Spring Terms.

7. VERGIL'S AENEID. 7½ hours.

Prerequisite, Course 4.

7a. **First Term**—Book I with a detailed study of scansion, syntax and figures.

7b. **Second Term**—Books II, III and IV.

7c. **Third Term**—Books V and VI, with a study of the entire poem as a literary classic. Fairclough and Brown's Vergil.

8. TACITUS—GERMANIA AND AGRICOLA. 5 hours.

Attention is given to the author's style and to the literary and historical value of his work. Gudeman's Tacitus.

Given in Summer Term only.

9. CICERO'S ESSAYS—DE SENESTUTE AND DE AMICITIA. 5 hours.

Attention is given to Cicero's temperament and literary work. Rockwood's De Senectute. Price's De Amicitia.

Given in Summer Term only.

11. TEACHERS' COURSE IN CAESAR. 2½ hours.

Historical setting as well as methods.

MATHEMATICS

MR. SCARBOROUGH, MISS KENNEDY, MR. URBAN, MISS NICKERSON.

1. ELEMENTARY ALGEBRA. 1 unit.

This includes the mathematics given during the first year, and is intended for those who have finished the eighth grade or rural school course. Three Terms.

1a. This includes the ordinary operations of Addition, Subtraction, Multiplication and Division, together with some practice in the use of the simpler equations.

1b. Factoring and its applications to the simpler Quadratic Equations, Fractions, Linear Equations involving two unknown, and Fractional Equations of the first degree.

1c. Reviews and extension of work in the topics given in 1a, with special reference to literal notation, Square Root, Radicals, Simpler forms of Quadratic Equations, including one and two unknown.

Required of all students.

2. TEACHERS' ARITHMETIC. $\frac{1}{2}$ unit.

This course is designed for persons who have taken one year of Algebra. The use of the equation should be understood in order to appreciate the methods of solving problems in Arithmetic. The laboratory is used constantly in this course. Given every term.

3. PLANE GEOMETRY. 1 unit.

This course requires three terms.

3a. Rectilinear Figures and Circles.

3b. Proportion, Similar Figures, and Areas.

3c. Regular Polygons, Areas of Circles, and the practical application of Plane Geometry.

Required of all students. Prerequisite, Course 1.

4. THIRD YEAR MATHEMATICS, ALGEBRA. $\frac{2}{3}$ unit.

Two terms. Special attention will be given to the more advanced phases of the topics studied in Course 1, Prerequisites: Courses 1 and 3. The course for each term includes:

4a. Equivalent Equations, Simultaneous Equations. Graphical Representation, Theory of Exponents, Radicals. Quadratic Equations in one unknown.

4b. Theory of Roots of Quadratic Equations. Quadratic Equations in two unknowns, Ratio and Proportion, Inequalities, Logarithms, some work in a few simple series and the Binomial Theorem. Given every Term.

Advanced Courses

5. SOLID GEOMETRY. $2\frac{1}{2}$ hours.

The laboratory method will be used in much of this work. The topics usually given in a course in Solid Geometry will be included.

Prerequisite: Courses 3 and 4.

Given every term.

6. PLANE TRIGONOMETRY. $2\frac{1}{2}$ hours.

Much practical work will be done in connection with this course. The laboratory is supplied with a good transit and other apparatus for making all necessary measurements.

Prerequisite: Courses 3 and 4.

7. ANALYTICAL GEOMETRY. 5 hours.

The purpose of this course is to give the pupil the geometrical interpretation of Algebra. This subject is necessary in order to appreciate the true meaning of the Graph in Elementary Algebra.

Prerequisite: Course 6.

The course requires two terms and classes will be organized at the opening of each of the Fall and Winter Terms.

8. COLLEGE ALGEBRA. $2\frac{1}{2}$ hours.

This course is designed as a preparation for higher work in mathematics, and special attention will be given to a discussion of series.

Fall and Spring Terms.

9. THEORY OF EQUATIONS. $2\frac{1}{2}$ hours.

This will include Determinants as well as the Theory of Algebraic Equations.

Prerequisite: Course 7.

10. CALCULUS. 5 hours.

Time required is two terms, and the class will be organized at the opening of the Winter Term.

10a.—Differential Calculus, and its application.

10b.—Integral Calculus and its applications.

11. TEACHERS' COURSE IN MATHEMATICS. $2\frac{1}{2}$ hours.

This course includes a discussion of the teaching of Arithmetic, Algebra and Plane Geometry, as required in the usual high school course. The correlation of subjects and laboratory methods form an important part of the course. Fall and Spring Terms.

12. HISTORY OF MATHEMATICS. 2½ hours.

This course includes the study of the development of the various topics included in the ordinary high school course, together with a study of some of the men who have contributed largely to the development of the Science of Mathematics.

13. ASTRONOMY. 2½ hours.

This includes both descriptive and Mathematical Astronomy. The course is open to high school graduates. This course is given in the Fall and Spring Terms.

14. SURVEYING. 2½ hours.

Much field work with the compass, level and transit will be required.

Prerequisite: Course 6.
Fall and Spring Terms.

15. INDUSTRIAL MATHEMATICS. 2½ hours.

This course will include various applications of Mathematics in the several industrial pursuits. Pupils should have a thorough knowledge of high school mathematics before taking this course.

A SCIENCE COURSE FOR HIGH SCHOOL TEACHERS

Three-Year Course for High School Teachers of Science.

Educational work (Dept. of Education and Training School)	30 hours
English	7½ hours
Agriculture	10 hours
Biology, Chemistry, Physics and Physiography	25 hours
Elective	17½ hours
Total	90 hours

This course presupposes the completion of the Elementary Normal School Course, or its equivalent.

PHYSICS

MR. MORRIS

Elementary Normal School Course

1. GENERAL SCIENCE. ⅓ unit.

This course is required of all first or second year students of the Elementary Course except those in the Rural School Course.

In this course the aim is to appeal to the student through his needs or his environment. With this aim in view the material will be chosen chiefly from air, heat, water, energy, and living things. The latter topic is included under Biology, Course 1.

2. ELEMENTARY PHYSICS. 1 unit.

This course may be used as one of the two required units of science, or as one of the two elective units of science of the Elementary Course.

The first third deals with fundamental units of measurement, force, motion, work, energy, simple machines, pressure of liquids and gases and some fundamental properties of matter. The second third deals with heat, sound and light. The third part deals with electricity.

The aim is to teach the principles of physics and to show how they are vitally related to the common daily activities of the student. The laboratory work (two hours weekly) is thoroughly practical.

It is best to take the work in the order named; but if circumstances make it necessary beginners may enter second or third term classes.

Advanced Normal School Course

3. MECHANICS AND PROPERTIES OF MATTER. 5 hours.

The topics considered in the first third of Course 2 will be treated in a more extensive manner; and in addition circular motion, pendulums, determination of g , impact, moment of inertia, attraction, elasticity, and surface tension will be considered. The aim is to treat Mechanics as a physical science. As many physical phenomena are explained in terms of motion, this course is fundamental. The laboratory work is based on Ames and Bliss's Manual. Prerequisite: Course 2, or its equivalent, and plane trigonometry.

4. HEAT. 2½ hours.

The essential things in this course are nature of heat, conduction, radiation, and thermodynamics, thermometry, Calorimetry and change of state will also receive some consideration. The laboratory work is based on Ames and Bliss's Manual. Prerequisite: Physics 2.

5. ELECTRICITY AND MAGNETISM. 7½ hours.

This course aims to familiarize students with the principles of electricity and their practical application. One of the essential things in a course like this is to become thoroughly familiar with electric circuits (alternating and direct) and magnetic circuits. After this has been accomplished considerable attention will be given to dynamos, motors and transformers. The newer phases of the subject, as conduction through gases, the relation of electricity and matter, etc., will receive some at-

tention. The laboratory work will deal with the measurement of resistance, electromotive force, capacity and inductance. Prerequisites: Course 2, or its equivalent, and plane trigonometry.

6. SOUND AND LIGHT. 2½ hours.

The first part of this course will consist of a study of vibration, wave-motion, resonance, interference, etc. The work in light will deal with the nature and velocity of light, lenses and prisms, interference, diffraction, spectra, polarization, etc. Prerequisite: Physics 2 and plane Trigonometry.

Note: Courses 3, 4, 5 and 6 are electives in the Advanced Normal School Course. They are specially designed for persons expecting to teach high school physics. Courses 3, 4 and 5 will be very useful to students expecting to enter technical schools.

TRAINING SCHOOL

MR. CRISSMAN, MISS KIRK, MISS RICHARDS, MISS ARNETT,
MISS PERKINS, MISS DENNIS, MISS SCOTT, MISS ANDERSON,

The Training School is the laboratory of the Normal School. Here all professional instruction received in the academic and pedagogical departments may be crystalized into experience and skill.

Three things are necessary in the preparation of a teacher. (a) Academic knowledge. (b) Professional principles. (c) Skill in the application of these principles. To give the last is the function of the Training School.

In the Training School the student-teacher has an opportunity to begin his teaching under the direction of a judicious and sympathetic critic. Thus he is enabled to escape many of the mistakes of the untrained teacher and to fix good methods of instruction and government.

The supervisors of the Training School are selected because of their special fitness for directing the work of students and teachers in their respective grades. Nothing is done that in any way tends to hamper the individuality of the teacher. On the contrary, every effort is made to give full play to the teacher's originality. We do not wish teachers to have the indelible impress of this institution upon them as distinct from all others. On the contrary, the plan is to develop resourcefulness and adaptability in the teachers.

As far as possible all Training School teachers are required to have a term of observation, criticism and plan writing, so that they know

what good teaching is and can write a good lesson plan before they actually take charge of a class, thus avoiding all mere "practice teaching."

There are High School, Grammar, Intermediate, Primary, and Kindergarten departments in the school and students are assigned to teach in departments best suited to their needs.

1. **ELEMENTARY TEACHING.** $\frac{1}{3}$ unit or $2\frac{1}{2}$ hours.

This is a course in observation, criticism, plan writing and such teaching as opportunity affords. The Superintendent and all Supervisors will teach illustrative lessons. The range of subjects taught will comprehend practically all of the work offered in the grades one to ten, inclusive. All lessons will be discussed under the direction of the Superintendent, and each student teacher will be required to write plans for teaching of such lessons. This course is required of all candidates for the Regents' Certificate. If the Regents' Certificate is not taken out this course in observation should be taken the term preceding the first term of "Advanced Teaching." It counts as one of three terms of required teaching.

Prerequisites: Elementary Psychology and School Administration.

2. **ADVANCED TEACHING.** $2\frac{1}{2}$ hours.

This is a course in teaching in one of the departments of the Training School. Every lesson taught must have careful preparation.

A written plan must be submitted to the Supervisor for criticism before the recitation. Practically every class exercise will be observed and criticised by the Supervisor. Required of all students for the Diploma.

Prerequisites: El. Psychology, School Administration, Advanced Psychology, Principles of Teaching, and at least two Teachers' Courses.

3. **ADVANCED TEACHING.** $2\frac{1}{2}$ hours.

This course is a continuation of Advanced Teaching.

Required of all candidates for the Diploma.

Prerequisite: Course 2.

4. **PRIMARY METHODS.** $2\frac{1}{2}$ hours.

This course is offered for those who are taking the special primary work and is required of those in the Specializing Course for Primary Grades. It consists of a study of the several subjects in the primary grades with special reference to the teaching of these subjects.

This course is taught by the Supervisor of the Primary Department and must be preceded by Elementary Psychology and School Administration. Course 4 will be offered during the fall and spring quarters and Course 5 during the winter and summer quarters. The subjects

considered in Course 4 are reading and nature study; in course 5, are language, phonics, and arithmetic including sense-training games.

5. PRIMARY METHODS. 2½ hours.

This course is a continuation of course 4.

6. PRIMARY METHODS. (General Course) 2½ hours.

A general course offered only during the summer and open to all, no prerequisites being required. This course includes a study of the primary subjects, reading, phonics, language, numbers including sense training games, nature study, and some hand work.

7. KINDERGARTEN THEORY. 2½ hours.

Kindergarten Gifts, 1 to 5; "Education of Man" and "Mother Play"; Songs and Games. Occupations: Sand Table Work, Clay Modeling, Drawing.

Prerequisites: El. Psychology and School Administration.

8. KINDERGARTEN THEORY. 2½ hours.

Kindergarten Gifts, 5 to 8. "Education of Man", "Mother Play", "History of the Kindergarten," Vandewalker. Occupations: Cutting, Tearing, Folding, Construction Work. Prerequisite: Course 7.

9. KINDERGARTEN THEORY. 2½ hours.

"Froebel's Educational Laws", Hughes. Program work: Mother Play; Gifts completed. Occupations: Sewing, Card Lacing, Weaving.

Prerequisite: Course 8.

10. KINDERGARTEN-PRIMARY TEACHING. 2½ hours.

Gift and game work, observation, monitorial work and connecting class teaching.

11. KNDERGARTEN-PRIMARY TEACHING. 2½ hours.

Occupations: beginning story-telling, music and rythm work, observation.

12. KNDERGARTEN-PRIMARY TEACHING. 2½ hours.

Students are required to take full charge of the entire work of the Kindergarten and work out any problems which may be assigned.

13. SPECIAL TEACHING AND PRACTICAL SUPERVISION. 7½ hrs.

This course is open only to students taking the "Supervisors course in Elementary Schools," and to a very limited number, not more than six per year. No one will be eligible whose academic record is not high and whose professional work averages below "A". Applicants for this course should have two or more years of successful experience. Permission to take this course must be secured from the Superintendent of the Training School.

THE TECHNICAL DEPARTMENTS

DEPARTMENT OF COMMERCE

MR. ELLIS

Elementary Course

1. PENMANSHIP.

This study is one of the most important in the commercial curriculum and, therefore, careful attention is devoted to it. The method of instruction is such that improvement in actual writing is made from the very beginning. The instruction is based upon sound psychological and pedagogical principles with an aim of securing concrete results. Work prepared outside of class recitations is required each week. Plain legible business writing is the chief aim. Work on black-board and in theory and methods is given during the last quarter and is intended for teachers.

1a. First Term. $\frac{1}{6}$ unit.—Proper position of the body, pen and paper; material used; systematic exercises developing both movement and form; letters and simple combinations; principles of writing. Outside work required which is carefully criticised.

1b. Second Term. $\frac{1}{6}$ unit.—Special attention is given to letter forms; details closely studied; outside work is required.

1c. Third Term. $\frac{1}{6}$ unit.—Careful work on letters of very difficult combination movement and form carefully observed; theory of letter form, black-board practice and the filling in of special prepared business forms is required. Students taking work in this quarter will be given a chance to correct work submitted by first quarter students.

2 BOOKKEEPING.

This work in the various phases is logically and practically conducted. The work is introduced by a study of the theory of debits and credits and the simpler methods of recording business transactions. Later retail, wholesale, partnership, commission and corporation accounting are taken up.

2a. First Term. $\frac{1}{6}$ unit.—Theory of debits and credits; ruling, principles of accounting and their application; journalizing, posting; taking trial balances, closing the ledger; use of commercial papers; sales-book, purchase-book and cash-book are introduced.

2b. Second Term. $\frac{1}{6}$ unit.—Statement of accounts; partnership set; notes and drafts are introduced.

2c. Third Term. $\frac{1}{2}$ unit.—Corporation accounting; special columns in cash-book. A limited amount of office practice is given in each quarter.

Advanced Courses

3. BOOKKEEPING.

This course is open only to those specializing in the Department of Commerce. The work is more intensive than the work of Course 2. Two periods of work per day are required. Opportunity for practice teaching is given in this course.

3a. First Term. $2\frac{1}{2}$ hours. Courses 2a and 2b.

3b. Second Term. $2\frac{1}{2}$ hours. Courses 2c and supervision of work.

3c. Third Term. $2\frac{1}{2}$ hrs.—Banking; Manufacturing; Commission; Supervision work.

4. FARM ACCOUNTING COURSE. $1\frac{1}{4}$ hours.

The objects of this course are (1) an exhibit of the cost of reproducing each of the farm products (2) the returns derived from their sale or use, (3) the general value and progress of the business.

This is a one term course offered each term in the year, and designed for students of the Agriculture Course

5. TYPEWRITING.

Open to students in the Advanced Normal School Courses only.

The typewriting is becoming a more and more important factor in commercial work and the demand for skillful operators is ever increasing. The "touch" method is carefully followed; the text, "Rational Typewriting," prepared by Rupert P. Sorelle, is used throughout the year. Typewriters with blind keys and keyboard shields are used. By this, only touch operators are produced. The care and mechanism of the machine is studied and for those intending to teach, special work in methods and practice is given.

5a. First Term.— $1\frac{1}{4}$ hours. Position of body at the machine; mastery of the keyboard; accuracy and uniformity of touch; centering; mechanism of machine; fingering.

5b. Second Term.— $1\frac{1}{4}$ hours. Continuation of work of first term, paying special attention to accuracy and learning the various parts of the machine and their uses.

5c. Third Term.—1¼ hours. Continuing with second term work together with tabulation, carbon copying. Students in this quarter will be allowed to do practical work, thereby increasing their speed and confidence.

5d. Fourth Term.—1¼ hours. This work is for students specializing in the Commerce Department, and will consist of transcribing from shorthand dictation; cutting stencils; mimeographing, etc.

5e. Fifth Term.—1¼ hours. Continuation of 5d, and the emphasizing of speed both in transcribing and operating the typewriter.

6. STENOGRAPHY.

Open to students of Advanced Normal School Courses only.

Students taking shorthand are requested to enroll for one period of typewriting per day. Our method of teaching shorthand is a combination of individual and class instruction with frequent black-board illustrations resulting in a thorough mastery of the fundamental principles. Five terms are required in this subject for students specializing in the Department of Commerce. The Gregg system is taught.

6a. First Term.—2½ hours. A careful study of the manual; drills on word signs; phasing; dictation exercises; shorthand penmanship; individual instruction.

6b. Second Term.—2½ hours. Completion of the manual dictation from various phases of commercial work; close attention given to accuracy of outlines; shorthand penmanship; frequent reviewing of principles, etc.

6c. Third Term.—2½ hours. Reviewing; Abbreviation and speed; Reading from Gregg Shorthand Reader; Beginning Letter Drills.

7. STENOGRAPHY. (Continuation of 6) 5 hours.

For students specializing in the Department of Commerce or for those desiring to master the art of stenography. This work will be given two terms and will consist of very difficult shorthand reading and dictation matter. Dictation of business correspondence, newspaper articles; lectures, etc. Reading from: Gregg Writer; Letters from Self-made Merchant to his Son; Legend of Sleepy Hollow; Great Stone Face; etc.

8. COMMERCIAL ENGLISH. 2½ hours.

The object of this course is to give the student a knowledge of plain usable English and how to apply it practically. Nothing can be of greater value than the ability to express ideas briefly, emphatically

and courteously, and since this power can best be acquired by the actual doing of it, close attention is required. The work is introduced by a study of sentence structure, punctuation, capitalization and the proper use of words. Spelling is emphasized and made exceedingly practical since attention is paid to words actually used. Most of the time, however, is devoted to the application of English in the various phases of correspondence. Letters touching upon every situation in commercial and social life, placing particular stress upon the composition and elements of technique, are written and studied in detail. In connection with this work the important features of the Postal Rules and Regulations are observed. This course embodies the practical information that every individual needs and therefore is most valuable.

9. COMMERCIAL ARITHMETIC. 2½ hours.

Commercial Arithmetic means Arithmetic applied to the conditions actually existing, and gives a knowledge of this practical application of the subject to problems that come up in life. In the beginning the fundamental principles are reviewed. The field covered includes, besides other minor elements, Fractions, Quantity, Price and Cost, Bills and Accounts, Practical Measurements, Percentage and its applications to Commercial Discounts, Gain and Loss, Commission, Interest, Present Worth and True Discount, Bank Discount, Partial Payments, Equation of Accounts, Stocks and Bonds, Insurance, Taxes, Custom House Business, Exchange, Sharing, Ratio and Proportion, and Storage. The practical phase of the work is emphasized in order to give the student the ability to work out problems for himself. The business forms used are modern and the entire work is prepared with a view of making it highly educative.

DRAWING DEPARTMENT

MISS SHANNON, MISS HARWOOD

Normal High School or Elementary Normal School Course.

COURSE 1. BEGINNING DRAWING. 1 term. ¼ unit.

General freehand drawing with pencil and crayon and beginning water color work.

COURSE 2. ELEMENTARY PERSPECTIVE. 1 term. ¼ unit.

Prerequisite Course 1. Continuation of pencil and color work, Elementary perspective, including the drawing of interiors and exteriors, street scenes, etc.

COURSE 3. BEGINNING DESIGN. 1 term. $\frac{1}{3}$ unit.

Prerequisite Course 1, or its equivalent. Study of the Elementary principles of Design with some applied work. Outside work required.

COURSE 4. LETTERING. 1 term. $\frac{1}{6}$ unit.

Prerequisite Course 3. A study of the principles of good lettering. The making of posters, programs, etc.

COURSE 5. RURAL AND PUBLIC SCHOOL DRAWING. 1 term. $\frac{1}{3}$ unit.

A Teachers' Course. Prerequisite Courses 1, 2 and 3. Theory and practice of teaching drawing in rural and graded schools outlines will be made, lesson plans written. Blackboard drawing. Courses of study from other schools will be discussed, and much attention paid to the correlation of drawing with other subjects. Outside work required.

COURSE 6. COLOR HARMONY. 1 term. $\frac{1}{3}$ unit.

Prerequisite Course 1. Study of the color circle. Hues, values and intensity of color. Applied color and the study of color schemes for costumes and for interior decoration. Outside work required.

COURSE 7. ELEMENTARY BOOK-BINDING. 1 term, 5 double periods per week. $\frac{1}{3}$ unit.

Prerequisite Course 3. The making of booklets, story covers, memorandum pads, desk pads, books, etc.

COURSE 8. CHARCOAL AND CRAYON SKETCHING. 1 term.

Prerequisite Course 1. Rapid sketching from objects and from nature. Emphasis placed on crayon sketching for public school grade work.

Advanced Normal School Work.

COURSE 8. CHARCOAL AND CRAYON SKETCHING. 1 term. $2\frac{1}{2}$ hrs.

1 term. 5 double periods per week. $2\frac{1}{2}$ hours.

Drawing and color work from objects. Realistic and decorative treatment of subjects.

COURSE 2. COMPOSITION AND PERSPECTIVE.

1 term. 5 double periods per week. $2\frac{1}{2}$ hours.

Prerequisite: Course 1. Much time given to the study of good composition and the careful drawing of interiors and exteriors of rooms, buildings, etc.

COURSE 3. STENCILING AND BLOCK PRINTING.

1 term. 5 double periods per week. 2½ hours.

Prerequisite: Course 1. Work in applied design.

COURSE 4. ADVANCED DRAWING.

Prerequisite: Courses 1 and 2.

(a) Illustrative work, charcoal drawing, memory sketching.

1 term. 5 double periods per week. 2½ hours.

(b) Advance Perspective, Water color work, decorative compositions.

1 term. 5 double periods per week. 2½ hours.

(c) Decorative designs for pottery, china, leather, wood carving, metal work, etc.

1 term. 5 double periods per week. 2½ hours.

COURSE 5. THEORY AND PRACTICE OF TEACHING DRAWING.

1 term. 2½ hours.

Prerequisite: Courses 1, 2 and 3. A Teachers Course.

COURSE 6. POSE AND CAST DRAWING. 2½ hours.

Prerequisite: Course 4. Work done from life and still life, in pencil crayon and color. Outside work.

COURSE 7. DRESS DESIGN. 2½ hours.

Prerequisites: Courses 1, 2, 3 or its equivalent. The planning and drawing of costumes, the careful consideration of color harmony, rhythm of line, etc. Outside work.

COURSE 8. INTERIOR DECORATION. 2½ hours.

Prerequisite: Courses 2 and 4b. Sketches of interiors with careful planning of color schemes, taking into consideration curtains, rugs, furniture, etc. Outside work.

COURSE 9. COMMERCIAL DESIGN. 2½ hours.

Prerequisites: Courses 1 and 2. The study of posters and advertisements and the designing of posters, programs, etc. Careful lettering.

COURSE 10. SPECIAL PROBLEMS. 2½ hours.

Prerequisite: Course 4a. A course designed to meet the needs of students who are specializing in drawing.

COURSE 11 TOOLED LEATHER. 2½ hours.

Prerequisite: Courses 3 and 4. The making of tooled leather mats, card cases, etc.

COURSE 12. HISTORY OF ART. 2½ hours.

- (a) History of Architecture and Sculpture.
- (b) History of Painting.

HOUSEHOLD ARTS DEPARTMENT

MISS NORWELL
MISS HARSELL

Elementary Course in Household Arts.

Elementary Sewing	1 unit
Elementary Food Study	⅓ unit
Elementary Household Management	⅓ unit
Elementary Millinery and Primary Hand Work	⅓ unit
Cookery (with Training School Classes)	⅓ unit

Elementary classes in Household Arts are offered for students pursuing the Elementary Course of the Normal School. All courses offered above are of high school rank and no credit will be given for them in the Advanced Household Arts Course.

Advanced Courses

1. COOKERY. 3 quarters. 7½ hours.

This is a course in cookery in which students are trained not only to obtain good results in food preparation, but also to assume responsibility in household duties pertaining to kitchen equipment of both school and home. Special attention is given to the figuring of costs and to the study of food values as well as to the art of serving.

The three quarters of Food Preparation must be taken in sequence, and should be preceded by, or the first quarter's work be taken at the same time as the course in Food Study.

2. ADVANCED COOKERY. 2½ hours.

This is an advanced course in cookery. It includes advanced work in the study and preparation of the various classes of food studied in Course 1, individual work in planning, and serving meals and demonstrations of chosen problems. Prerequisite: Course 1.

3. FOOD STUDY. 2 quarters. 5 hours.

This course should precede, or be begun at the same time as the first quarter of Course 1, as it furnishes the underlying scientific principles of all cookery. A study is made of the food principles and of food materials with regard to their production or manufacture, physical and chemical characteristics, cost, seasonableness, nutrition and dietetic values, principles of cookery and combinations.

4. HOUSEHOLD MANAGEMENT. 2½ hours.

This course is designed to give the student practical knowledge concerning the administration of household affairs, including location, planning and furnishing of the home, care of each part, sanitation, organization of the household, system and division of labor as well as proper disposal of the income.

5. MODEL SEWING. 2 quarters. 5 hours.

This course aims to prepare future teachers of Domestic Art to handle correctly all detailed problems of plain sewing. The work is largely the making of illustrative models.

See dining-room picture in old bulletin.

The three quarters of work must be done in sequence.

6. MACHINE SEWING. 3 quarters. 7½ hours.

This course makes practical application of the principles presented in Hand Sewing. Various methods of garment drafting are studied and applied in relation to public school work. Both plain sewing and dress-making are done and the commercial patterns used. Prerequisite: two quarters of Hand Sewing.

7. MILLINERY AND ART NEEDLEWORK. 2½ hours.

This course includes practical construction and artistic trimming of hats together with related problems; it also gives instruction in the fundamental stitches and problems commenced in the decoration of garments and various household articles.

8. HOME NURSING. 2½ hours.

The aim of this course is to give practical knowledge of the fundamental principles of nursing and to apply these principles to conditions in the home. A study is made of the prevention of diseases as well as of facts regarding some of the simpler forms of common diseases, and the duty of the home maker in time of sickness. Instructions and demonstrations are given in emergency cases. The study of invalid cookery is also an important part of this work.

9. METHODS IN HOUSEHOLD ARTS. 2½ hours.

This is a teacher's course dealing with the study of equipment, courses of study, lesson plans, special methods, and general scope of Domestic Economy work.

DIETETICS. 2½ hours.

This subject aims to relate and apply the principles learned in the study of cookery, Food Study, Physiology and Chemistry. It includes both theoretical and practical works in the study of food values and of dietaries.

Notes:

No credit in the teaching of Household Arts will be given for work done outside of this Normal School.

No credit for any Household Art work will be granted for similar subject pursued in high schools.

No correspondence courses are offered in the Household Arts Department.

DEPARTMENT OF INDUSTRIAL ARTS

AUGUST AHRENS, L. L. DES COMBES.

Elementary Normal School Courses

COURSE 1. BEGINNING WOODWORK.

Five single periods per week. 1 term. ½ unit.

The work involves the use of the simple woodworking tools in the construction of articles of utility.

COURSE 2. ADVANCED WOODWORKING.

Five double periods per week. 1 term. ⅓ unit.

Includes a careful study of the grain, quality and texture of the materials used in construction. Simple furniture making is attempted and special attention is given to methods of decoration and finishing. Presupposes, Course 1.

COURSE 3. WOOD-TURNING.

Five double periods per week. 1 term. ⅓ unit.

An elementary course in the fundamental operations in turning soft and hard woods between centers, face-plate and chuck turning, finishing and polishing.

COURSE 4. INDUSTRIAL ARTS FOR RURAL SCHOOLS.

Five single periods per week. 1 term. $\frac{1}{6}$ unit.

For students in Rural School Course. Takes up problems suited to the needs of rural school and farm life. The construction is in different materials and objects useful in the school and about the farm home are made.

COURSE 5. MECHANICAL DRAWING.

Five double periods per week. 1 term. $\frac{1}{3}$ unit.

A course in elementary drawing with emphasis placed on shop drawing and other practical phases of instrumental drafting.

The drawing tools are loaned to students.

COURSE 6. SHEET METAL.

Five single periods per week. 1 term. $\frac{1}{6}$ unit.

Work in sheet copper, brass and iron. This course deals with the elementary practices in forming articles of use and beauty in the soft metals.

COURSE 7. FORGING.

Five double periods per week. 1 term. $\frac{1}{3}$ unit.

A careful study is made of the fundamental operations in forge-shop practice and the problems attempted are in wrought iron and mild tool steel.

Course 6 is recommended as a prerequisite.

Advanced Normal School Courses

WOODWORKING

COURSE 1. ELEMENTARY SHOP-WORK.

Five single periods per week. 1 term. $1\frac{1}{4}$ hours.

Designed to give experience in the use and care of the principal woodworking tools at the bench, an insight into the technical processes involved in construction, an acquaintance with shop drawings, and to afford training in design and decoration of problems appropriate to school shops.

COURSE 2. ADVANCED SHOP-WORK.

Five double periods per week for two terms. 5 hours.

A continuation of Course 1. More difficult problems in design and execution are attempted and special emphasis is placed on the technical processes involved. Wood finishing and polishing receive attention. Prerequisite: Elementary Shop-work.

COURSE 3. WOOD-TURNING.

Five double periods per week for one term. 2½ hours

This course deals with projects illustrating the fundamental operations in turning between centers, face-plate work, chuck turning, turning in halts, and polishing in oil and shellac. A study is also made of speeds suitable for turning various diameters; woods best suited to turning; planning of courses; methods of teaching; equipment. Prerequisite: Elementary Shop-work.

COURSE 4. PATTERN MAKING.

Five single periods per week for one term. 1¼ hours.

A course in elementary pattern making in which a study is made of tools and materials used in the industry, the making of patterns for solid and hollow castings, the principles of moulding and casting. Prerequisite: Courses 1 and 3.

COURSE 5. MACHINE WOODWORKING.

Five double periods per week for two terms. 5 hours.

This course will teach the operation of power woodworking machinery. Emphasis will be placed on the manufacture of furniture and equipment for school purposes. Prerequisite: Courses 1 and 2.

COURSE 6. CARPENTRY AND HOUSE BUILDING.

Five double periods per week for two terms. 5 hours.

A course covering the essentials of house construction. The work will comprise a study of materials, methods of joinery, house planning, design, construction and decoration. Prerequisite: Courses 1, 2 and part of 5.

COURSE 7. SHEET METAL-WORK.

Five single periods per week for one term. 1¼ hours.

This course offers instruction in sheet metal, such as iron, copper and brass. The processes include bending and joining, hammering and raising, sawing and filing, coloring and polishing. Designing of furniture fittings is a part of the course.

COURSE 8. FORGING.

Five double periods per week for two terms. 5 hours.

A course in design and construction in hand-wrought iron and steel. Course 7 is suggested as a prerequisite.

COURSE 9. MACHINE-SHOP WORK.

Five double periods per week for two terms. 5 hours.

Tool-bench work is the first work in this course, followed by practice on the engine lathe and other standard machine tools.

COURSE 10. CONCRETE AND CEMENT WORK.

Five single periods per week for one term. $1\frac{1}{4}$ hours.

This course is intended to give a working knowledge of these materials for home and farm use.

DRAWING AND DESIGN

COURSE 11. MECHANICAL DRAWING.

Five double periods per week for two terms. 5 hours.

This course is planned to give a thorough grounding in the elements of the subject. The relation of the draughting room to the shop brings the student in close touch with practical problems.

COURSE 12. ARCHITECTURAL DRAWING.

Five double periods per week for two terms. 5 hours.

This course deals with the elements of design, ornament and the classic orders. Plans and elevations of simple buildings are made. Students spend considerable time observing houses under construction, as the basis for study of building materials and methods of construction.

COURSE 13. APPLIED DESIGN. POTTERY.

Five double periods per week for one term. $2\frac{1}{2}$ hours.

A course in pottery making involving the fundamental principles of modeling, casting and wheel work, placing and firing of kiln and the use of glazes.

COURSE 14. APPLIED DESIGN. FURNITURE.

Five double periods per week for one term. $2\frac{1}{2}$ hours.

This course will deal with design and construction as applied to furniture. Period furniture will be studied and recent tendencies in

design and execution will be contrasted with standard types of long ago.

Presupposes some knowledge of free-hand mechanical drawing.

INDUSTRIAL ARTS EDUCATION

COURSE 15. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOLS.

Five periods per week, with preparation, one term. 2½ hours.

This course will deal with the usual activities and practical work done in the elementary school. Organization of courses and methods of teaching each of the several technical subjects will receive consideration.

COURSE 16. INDUSTRIAL EDUCATION.

Five periods per week, with preparation, one term. 2½ hours.

A study of the meaning of Industrial Education, its history, growth and development, its problems, methods of teaching and supervision, correlation with other school subjects. The various types of industrial schools.

COURSE 17. ECONOMICS AND SUPERVISION OF THE INDUSTRIAL ARTS.

Five periods per week, with preparation, one term, 2½ hours.

This course deals with problems of administration, supervision and direction of the practical arts in education. A study is made of tools and materials, cost of equipment and maintenance.

Elementary Normal School Course with emphasis on the Industrial Arts.

Students in the Elementary Normal School Course may elect TWO UNITS of work in the Industrial Arts Department. The course of study outlined below is designed for students who wish to put emphasis on the Industrial Arts and subjects in close correlation to them. Students looking forward to the more highly specialized technical studies in the Advanced Normal School Course shall complete if possible two units of Industrial Arts work before entering upon a specialization.

English	3 units
Mathematics	2 units
History	2 units
Science	2 units
Industrial Arts	2 units
Academic Electives	5 units

Electives to be Industrial Chemistry, Industrial Mathematics, Applied Physics, with the necessary Prerequisites; Nature Study, History (18th Century) with necessary Prerequisites.

PUBLIC SCHOOL MUSIC DEPARTMENT

MR. SOLOMON, MISS HINSDALL, MISS JAMES, MR. MEYER.

Elementary Normal Music Course

1. ELEMENTARY MUSIC.

This is an introductory course, and covers the work of three terms.
Text—Elanor Smith Music Course.

1a. **First Term.** $\frac{1}{2}$ unit. This class is for students who have never studied music. The work in this term consists of rote songs, ear training, rhythm, interval work, note singing, chord formation, written work, theory, major scales and two part work.

1b. **Second Term.** $\frac{1}{2}$ unit. The work in this course is a continuation of the work of course 1. Rote songs, ear training, new problems in rhythm, more difficult interval work, sight and chord formation, major and minor scales, written work, dictation, theory, two and three part singing and transposition of simple melodies.

1c. **Third Term.** $\frac{1}{2}$ unit. The work of this course includes the singing of more artistic songs, advanced sight singing, theory, terminology and technical work, elements of chord formation, minor and chromatic scales. The class will be given a general outline of a course in music for the eight grades.

Advanced Normal Music Course

2. ADVANCED MUSIC. Two terms work. (2a and 2b) $1\frac{1}{4}$ hours.

The work in this course consists of ear training, rhythm, interval work, note singing, chord formation, written work, theory, major and minor scales, dictation, transposition of melodies, terminology, technical work, and artistic singing.

3. METHODS IN MUSIC FOR PRIMARY GRADES. $2\frac{1}{2}$ hours.

The work includes the value and power of song in child life, rote songs to create interest, rote songs as a foundation and preparation for sight singing, game songs and their value in child life, motion songs

ear training, devices for developing the sense of rhythm and a good quality of tone; children singing out of tune, its cause and cure, treatment of monotones, sight reading, theory and devices for presenting written work. Text Farnsworth.

4. METHODS IN MUSIC GRAMMAR GRADES AND HIGH SCHOOL
2½ hours.

This course is to prepare the student to teach music in the grammar grades and the high school.

It is a continuation of methods in music for primary grades, advanced sight singing, chromatic scales, major and minor keys, triads, chord construction, bass cleff, three and four part singing, chorus conducting, use of baton, practice conducting, artistic interpretation, concert work. Text: Farnsworth and Wooddell.

5. ORCHESTRATION. 2½ hours.

To prepare the student to organize high school and small orchestras, practical work in all orchestral forms is given. Practical experience is gained by directing the works arranged, fitting the student to go out and successfully carry on the work. Text: Prout.

6. HARMONY.

The work of this course is given in four quarters. Texts: Stainer, *Harmony*; Jadassohn, *Elementary Principles of Harmony*.

6a. First Quarter. 2½ hours. A complete exposition of the formation of scales, keys, signatures; classification and measurements of intervals; foundation of the harmonic system, chord foundation and successions: inversion of triads; harmonization of basic and perceptive faculties.

6b. Second Quarter. 2½ hours.. Chord combination and harmonizations, continued in the major and minor modes; simple modulation construction of the chords of the seventh, their melodic and harmonic tendencies in resolution; application of material and exercises; further development of the perceptive faculties.

6c. Third Quarter. 2½ hours. More exhaustive treatise of seventh chord, their inversions and resolutions; the augmented and diminished triads; formation, resolution and succession of secondary chords of the seventh; cadences, closing formulae, harmonization of melodies and figured basses; ear training.

6d. Fourth Quarter. 2½ hours. Construction, resolutions and inversions of the chord of the ninth; diminished seventh; augmented sixth; altered and foreign chords; extraneous modulation; application of

material in exercises; harmonic analysis; variety of structure; introduction and resolution of the suspension in all voices; anticipation, retardations; harmonization of chorals; more developed modulation; original work; analysis; unessential notes; sustained tones; organ point; essential and unessential dissonances; harmonic and melodic analysis; homophonic forms. The works of the great composers will be studied with a view of tracing the material presented. Text: Jadasohn, *Elementary Principles of Harmony*.

7. COUNTERPOINT. 2½ hours.

One Quarter. Strict counterpoint, after harmony. Designed to cultivate and stimulate musical ideas, develop melodic facility in writing and to illustrate the growth of musical composition. The five species of simple counterpoint will be studied based upon the works of Cherubini, Bridges and York. Text: Bridges and York, *Counterpoint*.

8. INSTRUMENTATION. 2½ hours.

The nature, characteristics and treatment of the various instruments of the orchestra. The string quartette. Orchestral accompaniment. The overture symphony. The cantata. Text: Prout.

9. MUSICAL FORM AND COMPOSITION. 2½ hours.

Examination analysis and construction of all the principal fundamental forms. All forms will be illustrated. Text: Prout.

10. HISTORY OF MUSIC.

Some knowledge of the origin and development of Music as an art is practically indispensable to one wishing to gain true musical understanding and appreciation. The subject is studied with the idea of ascertaining events and their effect on the development of Music, rather than merely a study of names and dates. The work is divided into two terms. Text: *History of Music*, W. S. Pratt.

10a. First Term. 2½ hours. Music of the ancient world among the Egyptians, Hebrews and Greeks; music of the Eastern races; the cause of the transformation; the minstrels of the North; the Troubadors, influence of the Christian church; old French; Gallo-Belgie and the Netherlands schools; polyphonic school of Italy; musical notation and instruments.

10b. Second Term. 2½ hours. Music at the beginning of the Seventeenth century; early Italian, French and German opera; dramatic song and oratorio; instrumental music; Nineteenth century; the romantic epoch and its makers; German, Italian and French opera and composers; virtuosity of the century; later composers and performers of the present time.

11. NORMAL CHORUS.

A good voice, musical ear and to be able to read music at sight are the requirements for entrance to this organization. All students making music their major subject are required to sing in this chorus.

Credit 2½ hours for 110 rehearsals.

12. GLEE CLUB.

The glee club for boys and the glee club for girls have the same requirements for entrance as the Normal chorus and the same credit.

13. NORMAL BAND AND ORCHESTRA.

Private instruction is given on any band or orchestral instrument. The band plays for athletic games and other out door entertainments. The orchestra furnishes music in chapel once each week and for various school functions. Any one that is able to play an instrument is eligible to membership.

The following instruments are furnished to members of the band and orchestra: Four violins, two violas, three violincellos, one double bass, three clarinets, one flute, one piccolo, one oboe, three cornets, three E flat horns, two E flat basses, two trombones, one baritone and a set of drums. Those having instruments are requested to bring them. Practice two hours each week.

Credit same as for Normal chorus.

14. PIANO.

Hand position, Training individual muscles and control piano movement. Instruction books according to individual needs, such as Beyer, Kohler, Mathews and Landon.

Technical exercises, Rossomandi I and II. Studies by Streabog Op. 63-64, Burgmuller Op. 100, Gurlitt Op. 101, Duvernoy Op. 120, Kohler Op. 50, Doring Op. 8. Easy pieces by good composers.

Further development of the technique using Rossomandi No. III and IV. Etudes by Le Couppey Op. 20-26. Bertini Op. 100 Sonatinas by Clementi. Easy sonatas by Haydn and Mozart, Czerny Octave studies, Lemoine Op. 37. Heller Op. 46-47. Loeschhorn Op. 66. Bach's Little Preludes. Composition by Mendelssohn, Schubert, Reinecke, Schytte, Scharwenke, Bohm, Grieg and others.

For credit see the Special Music Course.

15. VOICE.

Correct breathing, correct position in singing and chest development is the foundation of voice building.

The method used is the correct placing of the voice so the pupil can produce with ease and firmness and an even quality of all tones. Quality, clearness and beauty of tone are the chief ends taught in our vocal study. With the pure tone the tenderest as well as the most heroic sentiment can be expressed. This will include the study and interpretation of songs and ballads chosen from the world's best literature and oratorio work. Text: Behnke and Pearce, Sieber, Concione, Lamperti, Garcia, Shakespeare and Marchesi. For credit see Special Music Course.

Tuition for private lessons in piano, violin, voice and cornet or any brass instruments two lessons per week for twelve weeks, \$12.00, or 50 cents per lesson. Practice on piano, one hour per day, \$2.25.

PHYSICAL EDUCATION

DR. ALLEN, MISS SMITH, MISS TOMLINSON

The aims of this department are to enable the students of the school "to live at their best," to aid them in the formation of habits of hygienic living, and to qualify them with the necessary knowledge of how to make the schoolroom a place of normal and symmetrical growth, rather than a means of breeding disease and destroying vitality. It is urged that every teacher should have a keen and intelligent appreciation of the means necessary to preserve the health and foster the growth of those entrusted by the State to their care.

Men's Department

A physical examination, if desired, is given each student before entering any term or enrollment in any class. The measurements taken and tests given have each a definite purpose indicative of the muscular condition of the individual. A diagnosis is also made of the vital organs to ascertain the functional condition of those organs, and a complete inspection of the whole body is made to detect any weakness or deformity that may exist. Based upon the information thus obtained, advice is given and suitable exercise prescribed. Each student may secure a copy of his measurements and an anthropometric chart showing in a graphic form his development as compared with that of the average or typical man.

Gymnastics

During the winter term the work is indoors, and consists of light and heavy gymnastics, which are selected with a view to progression and suitability to pupils of grammar and high school grades.

Outlines of courses for men:

TACTICS.

A modified form of the military and of the German system is used for convenience in handling classes and for disciplinary value.

FREE CAILSTHENICS.

Exercises are selected for their different effects upon the bodily organism and are arranged in order of increasing difficulty. They involve hygienic or body-building work, educative movements and corrective or remedial exercises. Both the Sweedish and German Systems are used.

LIGHT APPARATUS.

Such as Indian clubs, dumb bells, wands, bar bells, etc.

HEAVY APPARATUS.

Graded exercises are given on parallel bars, vaulting bars, bounce board and mat, side and long horses, high and low horizontal bars, traveling and flying rings, etc.

INDOOR ATHLETICS.

Instruction will be given in all indoor track events preparatory for indoor track meets. Preliminary practice is begun for outdoor work.

Games.

Including basket ball, indoor baseball, bowling, also other games of more recreative nature.

Athletics

In the fall and spring terms the courses in the gymnasium are supplemented by instruction in outdoor athletics. Individuals are assigned to the kind of work best suited for them. Attendance is compulsory and the regular credit for Physical Training is given.

In the fall the following sports are offered:

Football, track and field events, lawn tennis, and outdoor basket ball.

In the spring are offered:

Baseball, track and field work, lawn tennis, etc.

Cross country running is encouraged throughout the year. Natural exercise in the open air takes precedence of all other forms of exercise.

Three days per week will be regarded as full time for physical work. Regulation uniforms to all "Varsity" first teams in football, basket ball and base ball. All members of these various teams, except football, must furnish their own shoes.

Days unfit for outdoor work will be given to discussion of rules and conferences on the organization and management of sport.

Women's Department

Systematic work will be given for the physical development of students during the course, and to prepare them for teaching physical training to their pupils.

The main objects of the training for women are the acquiring and maintaining of good health, and the producing of a good physical foundation for mental activity. The work is adapted to the development of girls, and such exercises as are promotive of health, grace and self-control are sought for rather than heavy gymnastics.

Students are required to have a physical examination which is sufficiently thorough to give a definite knowledge of weaknesses, defects or special needs; and based upon such examinations are the exercises prescribed during that part of the course intended to improve the physical condition and to prepare for the heavier work.

1. PHYSICAL TRAINING I.—SWEDISH GYMNASTICS.

Free movements, corrective exercises, balance beam, star ball and school desk exercises. An effort is made to familiarize the student with a varied list of games and plays suitable for indoor and outdoor use, both for their own development on the playside and for use in teaching.

2. PHYSICAL TRAINING II.—LIGHT GERMAN GYMNASTICS.

Wands, bar bells, dumb bells, grace hoops, hand rings and bounding balls; military marching, figure marching, fancy steps and folk dances. Presupposes Course 1.

3. PHYSICAL TRAINING III.

Indian clubs, folk and aesthetic dancing, basket ball and volley ball. Presupposes Courses 1 and 2.

4. ADVANCED PHYSICAL TRAINING.

Advanced Indian club work; advanced fancy steps and aesthetic dancing. Presupposes Course 3.

5. GAMES.

Lawn tennis, field hockey and cross-country walking are offered. Basket ball, baseball, hand ball, volley ball and soccer are given throughout the year, and are especially desirable for those fitting themselves to be high school teachers or principals.

6. PUBLIC SCHOOL GYMNASTICS.

This course does not require regulation suit and shoes, and gives no credit. It is a combination of parts of other courses, including work in free movements, light apparatus, school desk exercises, fancy steps and games. Drills in all the apparatus work, description of fancy steps and games will be posted each day, and students will be free to copy same. No previous course in physical training is required. Offered only in summer quarter.

7. FOLK DANCING.

The range in character of this course is from the simplest song plays and rhythm through the elementary artistic steps to the more difficult folk dances of various nations. Course aims at recreation, improved carriage and co-ordination. Presupposes Courses 1 and 2.

8. TEACHERS COURSE IN PHYSICAL EDUCATION.

This work is given through lectures and discussions. The chief aims are, to give the students an intelligent knowledge of the physical needs of school children, the object of physical work for them, and the methods of accomplishing it. Offered in spring and summer.

In order that all students may become proficient and at ease in presenting this work, each will be required to take the class from time to time in tactics, free work and games.

Topics considered are as follows:

1. **Formal Gymnastics.**—(a) Tactics purpose in the day's lesson, theory of different evolutions, methods of teaching. (b) Free work (educational, hygienic, corrective). Educational free work, the ways and means of educating the body to obey the commands of the will.

Hygienic work, the effects of exercise on children, respiration and digestion.

Corrective work, the necessity of, for the common deformities found among school children.

2. **Informal Gymnastics, or Play.**—Under this head is considered the means of teaching Gymnastics in all grades, at least, in an informal way, through games. In order that all students may become proficient

and at ease in presenting this work, each will be required to take the class from time to time in tactics, free work and games.

CREDIT IN PHYSICAL TRAINING.

All students are required to take Physical Training three hours a week during half as many terms as they are enrolled and in attendance, provided that candidates for the Rural Certificate, and the Regents' Certificate must present not less than two terms, and that candidates for the Diploma not less than three terms, and provided, further, that not more than two-thirds of a unit of credit may be offered for graduation.

Three terms in Physical Training give credit for one third unit of the technical subjects required in the Elementary Normal Course or 2½ hours technical elective in the Advanced Normal Course. After the requirements in Physical Training are met, work in the department is elective as in any other technical department.

Gymnasium Uniforms

Regulation uniforms are required of all classes in Physical Training. Students are advised not to procure these uniforms until after their arrival at the school.

Regulation uniforms for girls must be a black serge suit. For the young men the regular white running suit.

ENROLLMENT FOR THE YEAR

Sept. 1913 to May 28, 1914.

Number of students attending during the year	2200
Number of students in Training School	371
	<hr/>
Total number in institution	2571

MISCELLANEOUS STATISTICS

Scholastic Year 1913-14.

Number of students from Missouri	2167
Number from other States and Territories	33
Number of Teachers in the above enrollment	1264
Number who are self dependent	1326
Number representing the occupation of farming	1112
Number representing all other occupations	622
Number with occupation not given	466
Number of Missouri counties represented	82
Number of Diplomas issued in the year	247
Number of Regents Certificates issued in the year.....	212
Number of Rural School Certificates issued in the year....	30
Whole number of Diplomas issued since the organization	3480
Whole number of Regents Certificates issued since the organization	2084

STUDENTS ENROLLED FROM SEPTEMBER 1913 TO JUNE 1914

Abbott, Olive	Miller	Bear, Geo. V.	Cooper
Achamire, Gladys	Saline	Bear, Lillian	Johnson
Adams, Beulah E.	Johnson	Behm, Frances	Johnson
Adams, David Henry	Jackson	Behm, Salome Magdaline	Johnson
Adams, Edith F. B.	Johnson	Beining, Robert	Lafayette
Adams, Mabel E.	Ray	Bell, Cozette	Johnson
Adams, May	Montgomery	Bell, Elizabeth	Jackson
Adams, Pearl	Johnson	Bentley, Geneva Bertha	Atchison
Adams, Richard	Atchison	Benton, Buna	Johnson
Adams, Willa	Saline	Benton, Frank	Johnson
Aid, Mamie	Davies	Berry, Eleanor Frances	Pettis
Akers, Melba	Saline	Bertran, Florence E.	Gentry
Albin, Edith B.	Johnson	Bethel, Lulu Maree	Johnson
Albin, Flay	Johnson	Bethel, Dorothy Mae	Johnson
Albin, Harry H.	Johnson	Bethel, Muriel Dean	Johnson
Alexander, Everett W.	Audrain	Betson, Ailene	Linn
Alexander, John S.	Miller	Bewley, Mayme E.	Vernon
Alexander, Naomi E.	Henry	Biddle, Carrie Cooper	Johnson
Allen, Anna Beatrice	Morgan	Biddle, Isabel	Johnson
Allen, Bessie	Boone	Bigelow, Roy Gilbert	St. Clair
Allen, Bessie Mae	Johnson	Birkhimer, Ruth	Howard
Allen, Erba	Henry	Bishop, Virgil Roy	Johnson
Allen, Eunice	Henry	Black, Barbara B.	Jackson
Allen, Mary Lovena	Clarke	Blain, Frances	Saline
Allen, Richard	Jackson	Blair, Elizabeth Ella	Johnson
Allison, Emery W.	Maries	Blase, Irene	Lafayette
Anderson, Albert Morrow	Johnson	Bledsol, Hazel Mae	Jackson
Anderson, Caroline	Johnson	Blevans, Emmett N.	Vernon
Anderson, Eugene Cecil	Johnson	Blevans, Howard	Cass
Anderson, Hattie M.	Carrol	Boals, John	Cass
Anderson, Mable L.	Jackson	Boggs, Gertrude Pleasant....	Davies
Anderson, Mabel S.	Henry	Boley, Lena Rivers	Jackson
Andes, Leeta Ferne	Bates	Bondurant, Mary E.	Howard
Angle, Dorothy Faye	Bates	Borgstadt, Richard	Lafayette
Arendall, Adah	Maries	Born, Pauline	Moniteau
Arnote, Alta	Caldwell	Boulton, Louise	Johnson
Asbury, Margaret	Johnson	Boulton, Reid	Johnson
Ash, Lee D.	Monroe	Bower, John Edward	Moniteau
Ashworth, Maynard	Johnson	Bower, Samuel H.	Moniteau
Atchison, Mildred	Johnson	Bowers, Elizabeth G.	Pettis
Atkinson, Grace E.	Cooper	Bowers, Helen A.	Pettis
Austin, Nora E.	Johnson	Bradley, Beulah B.	Johnson
Ayres, Lee Greta	Kansas	Bradley, Robert Claud....	Randolph
Badger, Sarra Ella	Barton	Bradshaw, Wm. L.	Morgan
Bahrenburg, Lyra Hunter	Johnson	Brady, Chas. H.	Benton
Baird, Nada	Johnson	Brady, Nettie	Johnson
Bailey, Fred	Johnson	Branson, Frank	Osage
Bailey, Willis	Henry	Branson, Sallie	Maries
Baker, Emma L.	Pettis	Brashear, Noidine	Pettis
Bancroft, Wilda M.	Johnson	Breeden, Myrtle	Johnson
Barkley, Cora May	Johnson	Breece, Florence	Maries
Barkley, Roscoe	Johnson	Brink, Ruth	Platte
Barnett, Lloyd Allen	Johnson	Briscoe, A. O.	Bates
Barnett, Ola Lee	Henry	Briscoe, Elva	Johnson
Barnwell, Wesley J.	St. Louis	Britt, Levi	Johnson
Barr, Grace	Johnson	Brock, Eugene A.	Johnson
Bates, Stella Ophelia	Henry	Brockhouse, Thos. E.	Cass

Brohn, Edward H.	Andrew
Brooks, Vera	Johnson
Brosnhan, Paul T.	Johnson
Brown, Elsie	Cass
Brown, Harold	Cass
Brown, Lizzie R.	Henry
Brown, Nell Cleve	Jackson
Brown, T. J.	Morgan
Brownfield, Allene	Jackson
Browning, Elizabeth	Jackson
Bronson, Bertha J.	Johnson
Bruce, Clayton	Moniteau
Bruce, Lena L.	Pettis
Brumble, Leslie	Maries
Brunk, Leah	Caldwell
Brunk, Ralph A.	Caldwell
Buckley, Mary	Pettis
Buckner, Flossie A.	Henry
Burd, Pearl	Maries
Buhrmeister, Sophia	Lafayette
Burden, Georgia Anna....	Johnson
Burden, Mamie	Johnson
Burgert, Chaster	Johnson
Burkarth, Geo. Lawrence	Johnson
Burkarth, Margaret E.	Johnson
Burnett, Flora	Clay
Burnham, A. W.	Howard
Burris, Lida M.	Pettis
Burris, Audra E.	Johnson
Burris, Maude	Harrison
Burris, Uel	Johnson
Burrows, Rosemary	Pettis
Burton, Novilla	Lafayette
Bush, Alva	Johnson
Bussell, Beatrice E.	Clay
Butts, Nannie	Platte
Butts, Sallie	Platte
Bynum, Eula May	Jackson
Bynum, Margaret E.	Jackson
Caldwell, Roy Lee	Johnson
Calkins, May Mildred	Johnson
Campbell, Grace	Saline
Campbell, Maude H.	Johnson
Campbell, Myrtle May	Lafayette
Cantlon, John	Moniteau
Carmichael, Mary J.	Johnson
Carpenter, Anna C.	Lafayette
Carpenter, Edgar M.	Moniteau
Carpenter, Price Mason	Johnson
Carson, Callie	Johnson
Carson, Homer	Buchanan
Carson, Lollie Mae	Johnson
Carter, Clinton Clenny	Henry
Carter, Edna	Johnson
Carter, Jesse F.	Cass
Carter, Jessie M.	Pettis
Carter, Walter G.	Johnson
Casey, Roselyn	Jackson
Cash, Archie	Johnson
Cash, Mina Ruth	Johnson
Castle, Ann Margaret	Pettis
Castor, Pearl	Vernon
Catlin, James H.	Johnson
Cecil, Alda E.	Johnson
Cecil, Gretell	Johnson
Cecil, Kenneth	Johnson
Chalfant, Ona Bee	Johnson
Chaney, Charles Lester	Benton
Chaney, Lena Morene	Caldwell
Chaney, Noel William	Clinton
Chapman, Alta M.	Bates
Chappell, Mary	Calloway
Chalburn, Mary	Jackson
Chester, Paul	Johnson
Chiles, Rolla O.	Henry
Christian, Eulalia	Henry
Christian, Orpha	Maries
Christopher, Claire	Johnson
Clark, Georgia Estelle	Arizona
Clark, Mrs. John B.	Jackson
Cleveland, Gertrude	Calloway
Cleveland, Lillian Ethel....	Calloway
Clouser, Lucy W.	Clay
Cockrell, Anna Ewing....	Johnson
Cockrell, Flora McDonald	Johnson
Coe, Winnie	Johnson
Coffman, Mary Lee	Ray
Cole, Blanche Fay	Pettis
Cole, Emma	Pettis
Cole, Eliza May	Ray
Coleman, Anna Marie	Johnson
Collis, Lester L.	Linn
Compton, Hansel P.	Jackson
Connell, Marie	Johnson
Connely, Corinne	Cass
Conway, Josephine	Johnson
Cook, Edna Abington	Johnson
Cook, W. Lyndon	Johnson
Cook, Maude A.	Johnson
Cooper, Chas. C.	Johnson
Corder, E. Edna	Lafayette
Corder, Nan	Lafayette
Cowan, John F.	Johnson
Cox, Bonnie May	Lafayette
Cox, Cora English	Lincoln
Cox, M. Susan	Lincoln
Cramer, Buell	Osage
Cramer, Mary Gladys	Johnson
Cramer, Roscoe	Osage
Cramer, Wm. Floyd	Johnson
Criley, Clifford F.	Jackson
Crissman, Maude Emma....	Johnson
Crockett, Constance Jane	Clay
Crockett, Florence	Saline
Crouch, J. Paul	Lafayette
Crum, C. L.	Maries

Culley, Ann	Johnson
Culp, Margaret	Pettis
Culver, Izetta	Johnson
Curran, Jessie M.	Cass
Curry, Ralph Fisher	Johnson
Dalby, Etta E.	Cass
Dalton, Mina	Johnson
Darrell, Elton E.	Lafayette
Davenport, Artoni J.	Johnson
Dauwalter, Helen C.	Cooper
Davenport, George E.	Johnson
Davies, Sarah	Randolph
Davis, Chas. A.	Johnson
Davis, Ernest	Johnson
Davis, Flora Etta	Cooper
Davis, Lalla Bell	Buchanan
Davis, Mary Etta	Buchanan
Davis, Nelle	Johnson
Davis, Orpha L.	Iron
Davissn, Roy	Benton
Dean, Jewell	Lafayette
Deardorff, Everett	Jasper
DeAtley, Leonard	Johnson
DeHoney, Anna Ethel	Jackson
Deiterle, G. E.	Franklin
Demand, Martha Elsie	Johnson
Denny, Marie Nora	Jackson
Desch, Eleonora	Pike
DesCombes, Virginia C.	Johnson
Diefendorff, John Wm.	Cooper
Divers, Coralie	Johnson
Dixon, Josephine	Johnson
Donnelly, Helen L.	Pettis
Donnohue, Myrtle Vest	Pettis
Donaldson, Jeanie	Lafayette
Doolin, Curtis Logan	Johnson
Douglas, Mary A.	Johnson
Dove, Mrs. E. Augusta	Arkansas
Dowey, John	Gentry
Dozier, Beth Heard	Johnson
Dubach, Henry W.	Buchanan
DuCoign, Myrtle	Johnson
Duffendack, Omer Ben	Lafayette
Duncan, Nella	Johnson
Durham, Claude M.	Buchanan
Eagan, Beulah	Lafayette
Eagan, Nannie	Chariton
Easley, Gladys Marie	Oklahoma
Easley, Lula	Oklahoma
Easley, Wm. W.	Oklahoma
Eastham, Mary Catherine ..	Johnson
Eberts, Bernice Lolita	Johnson
Elliott, Arthur E.	Johnson
Elliott, Coyle Bryan	Clinton
Elliott, Lulu Grace	Johnson
Elliott, Powell	Morgan
Ellis, Emmett Eugene	Henry
Embry, Grace	Moniteau
Emmerick, Anna Marie	Chariton
England, Mary	Henry
Engleman, Elsie	Chariton
English, Florence N.	Johnson
Ennis, Ernest	Madison
Esrey, Willie	Ray
Eubank, Nell	Monroe
Evans, Eula Mae	Pettis
Fairchild, Marie	Johnson
Faris, Louis Bell	Saline
Farmer, Esther	Cass
Farmer, Martha	Cass
Fagin, Eva Mae	Clinton
Farnsworth, Marie	Johnson
Faulk, Besse	Carroll
Faulkner, Everett McD. ..	Johnson
Faulkner, Fannie Mae	Henry
Ferguson, Opal	St. Louis
Ferrell, Zola Rosalee	Cass
Ferry, Elsie Leona	Henry
Fickas, Pearle	Johnson
Files, Sallie Lynne	Johnson
Filler, Charles E.	Lafayette
Filler, Grace Truman	Lafayette
Fishback, Alpha	Johnson
Fisher, Eva L.	Pettis
Fisher, Hermion	Buchanan
Fitterling, Nellie Lola	Johnson
Flannery, Mary Rebecca ..	Johnson
Fleetwood, Marie	Chariton
Flickinger, Viva Kirby	Johnson
Ford, Anna Langston	Johnson
Ford, Martha Aurora	Johnson
Ford, Caroline	Henry
Ford, Earl G.	Johnson
Foster, Lee	Johnson
Foster, Mildred Mae	Johnson
Foster, Raymond	Johnson
Fouts, Estella Lucille	Bates
Fowler, Leona Belle	Johnson
Fowler, Mamie L.	Saline
Fowler, Wade C.	Vernon
Fraher, Genevive	Clay
Franklin, Nickel	Johnson
Frazier, Zelma	Jackson
Freed, Hazel L.	Caldwell
Freiberger, Benjamin W.	Calloway
Frye, Elory Carl	Johnson
Fryer, Grace	Henry
Funk, Mary G.	Bates
Gallagher, Beulah	Moniteau
Galloway, Oma	Lincoln
Gardiner, Lee Anna	Clay
Gaubert, Vada	Johnson
Garnett, Mary Jane	Cole
Gehrs, John H.	Cass
Gibbs, Verdie C.	Henry
Gibler, Ethel May	Johnson

Gibler, Harry D.	Johnson	Haymaker, John Herman	Johnson
Gibson, Julia Antoinette	Jackson	Haymaker, Margaret Hilda	Johnson
Gibson, Leta M.	Caldwell	Hedgewick, Neva Estell	Johnson
Gilbert, John Sidney	Johnson	Heerwald, Paul S.	Lafayette
Gilbert, Martha	Johnson	Heflin, Mame C.	Johnson
Gilkerson, Wm. L.	Cass	Hefner, Mae	Harrison
Gilliland, H. H.	Lafayette	Heidbreder, E. L.	Osage
Givens, Carrie Natadlie	Gasconade	Heisler, Jess Ruth	Lafayette
Goodin, Mrs. Gertrude	Henry	Helfrich, Prue	Moniteau
Goodrich, Augustus	Moniteau	Helms, Harry Beverly	Cass
Goodwin, Liza	Jackson	Hensel, Katherine	Henry
Groshong, Myrtle	Ray	Henshaw, Nelly	Johnson
Gouge, Grace	Henry	Herndon, Mabel	Johnson
Gragg, Mary Edna	Bates	Herndon, Rodney	Johnson
Graham, Irene Elizabeth.....	Johnson	Hershberger, Erdie Marie	Johnson
Graham, Walter McNeil	Johnson	Hessel, Leonora	Clay
Grant, Thomas W.	Maries	Hibler, Nina R.	Cedar
Gary, Herpalice	Cass	Hickman, James L.	Monroe
Greener, Lillian	Livingston	Hicks, John	Caldwell
Greenlee, Elsie	Cass	Hill, Harry	Johnson
Greenlee, Gracia	Cass	Hobart, John Evans	Jackson
Greenwell, Rice	Johnson	Hockaday, Nell Marie	Cass
Greenwell, Sallie	Johnson	Hockaday, Sue	Pettis
Greer, Annie Lee	Pettis	Hogan, Mary	Johnson
Greer, Grace	Johnson	Hogan, Mary Virginia.....	Johnson
Greer, Olive G.	Pettis	Holland, Callie C.	Cass
Gresham, Grace	Greene	Holland, Ethel	Johnson
Gresham, Lois E.	Greene	Holand, Helen M.	Johnson
Greir, Nannie	Johnson	Hollar, E. Cleveland	Carroll
Grinstead, Roland W.	Johnson	Hoover, John H.	Carroll
Gress, Frieda	Benton	Horn, Grace	Buchanan
Grover, Benj. W.	Johnson	Horton, Stella Rosalie	Henry
Groves, Bess D.	Johnson	Hotsenpiller, Addie Mae....	Cooper
Guinn, Catherine	Johnson	House, Fred B.	Johnson
Hacker, Fred A.	Illinois	Houston, Susie Virginia	Audrain
Hall, Etheleen	St. Clair	Howe, Altha May	Ray
Hall, John T.	Clay	Hudnall, Olive Rebecca	Jackson
Hall, Kate	Atchison	Hudson, Ferol B.	Scotland
Hallar, Raymond	Johnson	Hudson, Lela	Johnson
Hamilton, Glenn	Cass	Hudson, Veda	Johnson
Hamilton, Mabel	Johnson	Hughes, Marie Adelaide....	Johnson
Hammett, Letha V.....	Buchanan	Hughson, Viola	Caldwell
Hammond, S. LaVern	Lafayette	Hull, Annie Laurie	Johnson
Hanna, Lester Floyd	Caldwell	Hull, Mabel Mercedes	Oklahoma
Hannum, Mrs. Anna V.	Pettis	Humphreys, Edyth	Grundy
Hannum, Beulah	Pettis	Humphrey, Ruby	Platte
Harper, Edna Earle	Monroe	Humphrey, William	Platte
Harper, Emma Love	Monroe	Hunefelt, Gladys	Benton
Harris, Margaret	Lafayette	Hunt, Mary Orpha	Henry
Harrison, Esta	Harrison	Hunter, A. Gladys	Moniteau
Harsh, Jessie Ellen	Pettis	Hunter, Edna Lucile	Johnson
Harville, Rowena	Jackson	Hunter, Lillian	Moniteau
Haswell, Graham	Miller	Hunter, Sarah Martha	Johnson
Hawkins, Maude	Johnson	Hurst, Elizabeth	Buchanan
Hawkins, Ruth	Johnson	Hutchens, Jewell L.	Johnson
Hayden, Myrtle	Johnson	Hyatt, Levi	Johnson
Haymaker, Catherine Lois	Johnson	Hymes, Elsie Emma	Jackson
Haymaker, George	Johnson	Thrig, Joel O.	Hickory

Ives, Roy F.	Johnson
Jacks, Oattie Lee	Platte
Jackson, Carter	Clay
Jackson, Keith	Harrison
Jackson, Wm. Edgar	Jackson
Jakeman, Bertha	Pettis
James, Lillian R.	Johnson
James, Minnie B.	Johnson
James, Ora W.	St. Clair
Jaqua, Clara	Johnson
Jarrott, Mattie L.	Johnson
Jefferies, Christie	Lafayette
Jennings, Hattie Alma ...	Johnson
Johnson, Carrie Esther..	Lafayette
Johnson, Pansy	Maries
Johnson, Rolla	Jackson
Johnson, Ruby	Jackson
Johnson, Walker A.	Johnson
Johnston, Blanche	Johnson
Jones, Edgar L.	Johnson
Jones, Hattie	Calloway
Jones, P. Basil	Cass
Jones, Marguerite	Calloway
Kauffman, D. Loan	Morgan
Kauffman, O. A.	Cass
Kauffman, Ruby	Johnson
Kautsch, John Arthur	Cole
Keisher, Dan	Osage
Kelk, Mrs. Pauline	Pettis
Kemp, Daisy B.	Pettis
Kemp, Lavenia B.	Cedar
Kemper, Jamie	Johnson
Kenagy, R. Harold	Johnson
Kennedy, Jessie G.	Pettis
Kensingler, Ethel	Henry
Kensingler, Eva L.	Henry
Kepley, Hazel	Caldwell
Kepley, Nell	Caldwell
Kincaid, Edna Ruth	Clinton
Kinman, Mable	Cass
Kircher, Otto Carl	Cass
Klepper, Mary Ann	Clinton
Kline, Violet Verona	Johnson
Kobrock, Louise	Pettis
Koch, Mary Wallace	Johnson
Krause, Edward George	Gasconade
Kreeger, Arminta	Jackson
Laffoon, Edgar Ward	Jefferson
Lamm, Cora B.	Pettis
Landsiedel, Henrietta	Johnson
Landsiedel, Nora	Johnson
Lane, Ralph F.	Jackson
Langston, J. H.	Lawrence
Lankford, Alvin	Lafayette
Larkin, Beulah M.	Lafayette
Larkin, Rosa	Jackson
Lasley, John Sidney	Jackson
Lauf, Hubert	Cole
Laun, Gleaves	Johnson
Laws, Velma Ethyl	Cooper
Lazenby, Zelda	Johnson
Leaverton, Mary Ruth ...	Johnson
Lee, Chas. A.	Phelps
Lefever, Alma	Morgan
Lefever, Eva	Morgan
Lemaster, Lottie	Gentry
Lemmer, May	Cass
Lemmon, Jean R.	Johnson
Leuck, Marion O.	Johnson
Lewis, Clifford	Lafayette
Lewis, Dan Jr.	Johnson
Lewis, Mary	St. Clair
Lewis, Stewart	Johnson
Lieberam, Anna	Cass
Lieberam, Sylvia Leah ...	Jackson
Lightcap, Besse D.	St. Clair
Lilly, Jeanne E.	Harrison
Little, Omer W.	Hickory
Lobban, Charles L.	Johnson
Lobban, Oletha Loverna...	Johnson
Long, Mrs. C. M.	Johnson
Long, Mrs. L. L.	Johnson
Long, Lutie Virginia	Johnson
Long, Roy H.	Montgomery
Love, Clara Vaughn	Johnson
Love, Ruby Alice	Monroe
Love, Ruth	Platte
Lowry, Blanche Helen	Pettis
Lumpkin, Elsie May	Miller
Lusby, Edna	Johnson
Luvin, Susie Mae	Johnson
Lyon, Golda	Johnson
McAllister, S. Etta	Saline
McBurney, Margaret E....	Benton
McCalmon, Chas. A.	Henry
McCampbell, Ross	Gentry
McCandless, Ona Muriel ...	Schyler
McClain, Vest	Pettis
McCluney, Ethel	Pettis
McCluney, Mary Laura	Pettis
McClure, Cora E.	Pettis
McClure, Sarah	Johnson
McClymond, Mildred	Moniteau
McCoy, Eula	Johnson
McCoy, Fanny	Jackson
McCoy, Georgia	St. Charles
McCoy, Lizzie	Johnson
McCutcheon, Isabel	Cooper
McFarland, Annah May ...	Madison
McFarland, Edna	Johnson
McFarland, Susie Virginia	Madison
McFarland, Winna	Henry
McGee, Mary B.	Johnson
McKean, George E.	Jefferson
McKee, James S.	Ray
McKeighan,, Irene	Jackson

McKenzie, Charles E.	Johnson	Moore, Fannie	Cooper
McKinney, Vivian	Polk	Moore, Frances Agnes	Henry
McKnight, J. W.	Johnson	Moore, Grace E.	Johnson
McManigal, Lucille	Johnson	Moore, Mary Olive May Lafayette	
McMorrow, Franzchen...	Oklahoma	Morlarity, John F.	Johnson
McMorrow, Marie	Oklahoma	Morris, Ensley E.	Moniteau
McNair, Martha	Johnson	Morris, Mrs. Flora Della..	Johnson
McNeel, Edgar Lee	Lafayette	Morrow, Lelia Clara	Pettis
McPheeters, G. C.	Dallas	Morse, Freddie	Johnson
McPherson, Gussie	Jackson	Morton, Pearl	Johnson
McQuerry, Pansy	Johnson	Mosby, May	Clay
McWilliams, W. T.	Jackson	Moser, Neva A.	Morgan
Mabry, Clarence N.	Lafayette	Moul, Emma L.	Cedar
Mabry, Winifred	Johnson	Mudd, Margaret	St. Charles
Magruder, Minola May	Shelby	Mueller, Laura Ada	Moniteau
Majors, C. L.	St. Clair	Munson, Frances	Jackson
Mallison, Chas.	Jackson	Murche, Olga	Johnson
Manes, George Elders ...	Jefferson	Muri, Alice	Moniteau
Marion, Ethel	Bates	Murphy, Roy	Johnson
Marriott, O. R.	Morgan	Musick, Walker	Moniteau
Marshall, Bernice Etta ...	Johnson	Musser, Margaret	Johnson
Marshall, Birchlyn	Johnson	Musser, Mona	Johnson
Martie, Edward	Moniteau	Myers, Alma Lee	Henry
Martin, Anna Bell	Jackson	Meyers, Everet	Benton
Martin, Edith Jane	Johnson	Meyers, Ira E.	Oklahoma
Martin, Ethyl L.	Johnson	Nagle, Lena M.	Texas
Martin, Paul D.	Montgomery	Nasse, Terese Elsie	Lafayette
Masters, Myrtle Mae	Saline	Neal, Dorsey	Cooper
Mathews, Earnest	Buchanan	Nebel, Mary Golden....	Montgomery
Maurier, Gladys E.	Atchison	Neely, Grace	Johnson
Mayse, James	Davies	Neely, N. Myrtle	Johnson
Mayes, Nellie Frances ...	Johnson	Nelson, Francis	Moniteau
Maxwell, Mark W.	Johnson	Nichelson, Charlie W....	Johnson
Means, Eva	Benton	Nicolay, Cecel M.	Bates
Medlock, Lucy M.	Moniteau	Noland, Colvin	Cass
Medlock, Zanie	Moniteau	Norton, Ruth H.	Buchanan
Meiller, Eva	Cass	Nunn, Florence	St. Clair
Mertel, Ruth C.	Henry	Oak, Wilbur Wm.	Cooper
Metts, Cecyle	Johnson	Officer, Mamie	Johnson
Middleton, Mary Ione	Johnson	Osborn, Mattie Lee	Johnson
Miller, Charles J.	Johnson	Ostrom, Hazel Merle	Jackson
Miller, Jacob	Henry	Otto, Ruth	Harrison
Miller, Jessie M.	Bates	Owsley, L. Ray	Hickory
Miller, Lucille	Johnson	Packard, Mattie A.	Henry
Miller, Mabel Maurice	Carroll	Park, Elsie	Bates
Milligan, Mary	Harrison	Parker, Ethel A.	Johnson
Mills, George B.	Bates	Parker, Flossie	Audrain
Mitchel, Mae	Harrison	Parker, Ivy Roe	Cass
Mitzel, Audrey Belle	Pettis	Parker, Mabel Ruth	Johnson
Mohler, Elizabeth	Johnson	Parry, Marie	Johnson
Mohler, John L.	Johnson	Parsons, Emmett Lee	Cooper
Mohler, Avis Maud	Johnson	Parsons, J. H.	Cooper
Moles, Tom	Johnson	Parsons, Mary	Pettis
Montgomery, Lydia Duncan	Pettis	Parsons, Raymond	Morgan
Montgomery, Mattie M.	Pettis	Patterson, Harold F.	Johnson
Moore, Robert W.	Vernon	Payne, Lyndon L.	Pettis
Moore, Amy Ruth	Lafayette	Pearce, Ira Lee	Johnson
Moore, Annie	Platte	Pease, Lawrence N.	St. Louis

Peithmen, Ida E. Pettis
 Pelot, Annie Laurie Salie
 Peters, Edna M. Johnson
 Peters, Frances Johnson
 Peters, Mary Louise Johnson
 Peterson, Mary Johnson
 Phillips, Mary Esther Johnson
 Phillips, Pauline Holmes.. Johnson
 Pickel, Clar Mary Johnson
 Pierce, Bernice Johnson
 Porter, Ruth Clay
 Posten, Chloe Miller
 Powell, Geo. Richard Johnson
 Powell, Asa P. Saline
 Powell, Bess Caloway
 Powell, Lena Vivian Johnson
 Powell, Nona Louise Jackson
 Prater, Archie Maries
 Presley, Don Johnson
 Price, Mildred Morgan
 Proctor, Irvin Lafayette
 Pruitt, Ina Gasconade
 Prussing, Max Johnson
 Pyle, Ida May Cedar
 Quick, Clara Johnson
 Quick, Edith Johnson
 Quick, L. E. Johnson
 Quick, Paul Johnson
 Quinlan, Elizabeth Johnson
 Quinlan, LeRoy E. Johnson
 Quinlan, Marion Johnson
 Ramsey, Francis Ruth ... Johnson
 Raney, Jewell Johnson
 Ranson, Ophia M. Bates
 Reavis, Fernan Cecil Bates
 Redfield, Pearl Edna Johnson
 Redford, Helen Johnson
 Reid, Ruby Hope Oklahoma
 Reid, Miss William Boone
 Reynolds, Thomas Cass
 Rhoades, Euford Ellsworth Jackson
 Rhoades, Robert Lester Mercer
 Richardson, Tully Alene ... Johnson
 Richter, Rosaa Saline
 Rigg, Lottie Lafayette
 Riddle, Annie Lee Johnson
 Roach, Roxie Johnson
 Roberts, Agnes Constance Johnson
 Roberts, Baxton Leslie... Lafayette
 Roberts, Donald Johnson
 Roberts, Dwight Lester ... Johnson
 Robertson, Ralph Johnson
 Robertson, Ruth Johnson
 Robinson, Frances Randolph
 Rogers, Gladys Edna Henry
 Rogers, Homer Hickory
 Rogan, Jenne Jackson
 Rogers, Ross R. Johnson

Rohrer, Esther Jane Maries
 Roop, Geane Johnson
 Ross, Cloyd Floyd Gentry
 Ross, Jewell Smith Henry
 Ross, Mary Helen Johnson
 Rothwell, Allene Frances.. Johnson
 Rougemont, James Robert Caldwell
 Roush, Anderson Cass
 Roush, Jessie Cass
 Roush, Wade Cass
 Rowell, Madge Johnson
 Rowland, Drucilla Johnson
 Rudd, Guy K. Jackson
 Russell, Amy A. Cole
 Russell, Archie E. Cole
 Sage, Lucille L. California
 Samuel, Ada L. Johnson
 Sanders, Grace Marie Johnson
 Sanders, Nora Neal Cass
 Sanders, L. Winfrey Johnson
 Saunders, Eugene Lafayette
 Sawyer, Grace Oklahoma
 Scarcliff, Hazel Johnson
 Schilb, Sylvester Johnson
 Schoess, Juanita Linn
 Schooling, Geo. P. Johnson
 Schroff, Florence Temple Henry
 Schupp, Will K. Pettis
 Schwalm, Louella Cedar
 Schweer, August Maries
 Scott, Clara D. Jackson
 Scott, Sessie DeKalb
 Scotten, Oscar M. Pettis
 Scotten, W. D. Pettis
 Scruby, Wm. F. Johnson
 Seaton, Pinkie C. Johnson
 Sermon, Ray Jackson
 Severns, Mayme Pettis
 Seward, Luke W. Ray
 Shadburn, L. W. Henry
 Shafer, Edith Saline
 Shaffer, Minnie A. Pettis
 Shanks, Vesta Johnson
 Sharpe, Frances Arkansas
 Sharpe, Ida May Arkansas
 Shaffer, James Paul Johnson
 Shelton, Emma H. Miller
 Shepard, Eva A. Saline
 Shepard, Lucy Ann Saline
 Shesler, John Leroy Bates
 Shikles, Byrdia Clinton
 Shikles, Gail A. Moniteau
 Short, Georgia Verne Johnson
 Showalter, John E. Cass
 Shelton, Lula Binford Morgan
 Shryack, Earleen Jewel ... Johnson
 Siler, Ida Belle Platte
 Simmons, Ellen H. Cass

Simmons, Verna Elizabeth	Johnson	Stringer, Russie Frances	Morgan
Simms, M. Georgia	Johnson	Strobel, Lawrence E.	Moniteau
Simpson, Callie May	Howard	Strotham, John Fritz	Franklin
Sanborn, Bonnie Louise	Johnson	Stumpff, Dressie	Johnson
Simpson, Ralph E.	Cole	Suddath, Mary Martha	Johnson
Sims, Kate Ann	Morgan	Suenkel, Earnest S.	Osage
Sisk, Forrest O.	Ray	Sullivan, Lysle	Johnson
Six, Roy E.	Johnson	Summer, Walter Anderson	St. Clair
Skouby, Josephine	Maries	Swain, Oretta	Johnson
Slack, Carrie Lou	Pettis	Swindell, Beulah M.	Henry
Sloan, Elizabeth	Cooper	Swindell, Rola A.	Henry
Smiley, Margaret	Johnson	Tabor, Bernice	Johnson
Smith, Carl	Ray	Tabor, Bess M.	Johnson
Smith, George J.	Cedar	Tabor, Sterling	Johnson
Smith, Laura M.	Cooper	Talbot, Viola May	Cass
Smith, Leona Pearle	Johnson	Talley, Dora	Johnson
Smith, Margaret Mae	Moniteau	Tatum, Hazel Blanche	Jackson
Smith, Patti Lee	Johnson	Taylor, Bertram	Benton
Smith, Rex A.	Johnson	Taylor, Julia Irene	Dent
Smith, Stephen E.	Bates	Taylor, Lester W.	Benton
Smithpeter, Floyd	Carroll	Taylor, Nora L.	Johnson
Snare, Cora	Johnson	Tedrick, Winnifred	Davies
Snell, Edna	Pettis	Teel, Pearl Virginia	Copper
Snow, Dora Edna	Lafayette	Tennihill, Lela Katherine	Sal'ne
Snowberger, Loys Deana	Johnson	Terrill, Alfred	Maries
Snowden, Mary	Ray	Teter, Adah Geneva	Pettis
Snyder, Buel C.	St. Clair	Teter, Orma	Pettis
Snyder, Faye	Buchanan	Thomas, Cecil R.	Buchanan
Spain, Mabel S.	Johnson	Thomas, Margariet Annie	Johnson
Spangler, Lottie	Jackson	Thompson, Hazel Evelyn	DeKalb
Sparks, Bonnie	Morgan	Thompson, Ida	Benton
Sparks, Irene	Saline	Thompson, Iona	Bates
Sparks, Loria	Lafayette	Thompson, Louise N.	Bates
Spless, Walter A.	Johnson	Thompson, Sterling	Lewis
Spooner, Gail	Oklahoma	Thomson, Ruth Maurice	Jackson
St. Clair, Naomi Fern	Johnson	Thornton, Hazel E.	Johnson
Stagner, Richard	Caldwell	Thornton, Katherine M.	Cass
Stahl, Fred A.	Johnson	Thornton, Sallie K.	Cass
Steele, Jessie Belle	Pettis	Thurber, William	Johnson
Steffens, Clara	Franklin	Thurman, Allene	Johnson
Stephens, James	Morgan	Thurman, Ben F.	Johnson
Stephens, John	Miller	Thurman, Dicie Imogene	Johnson
Stephens, Mary Cornelia	Henry	Thurmon, Enid Katherine	Lafayette
Sterling, Leland	Moniteau	Townsend, Etna S.	Clinton
Stewart, Fawn	Boone	Travis, Wm. Clinton	Maries
Stewart, Mrs. M. E.	Stone	Traw, Cefus	Camden
Stewart, M. E.	Stone	Tribble, William E.	New Madrid
Stuart, Ruth	Caldwell	Trimain, S. J.	Miller
Stock, G. B.	Osage	Troy, Marie	New Mexico
Stockard, Chas. R.	Ray	Tucker, Katherine	Cole
Stockard, F. L.	Ray	Tugel, Melville	Franklin
Stockard, Roy E.	Ray	Turk, Sallie Nadine	Henry
Stockard, F. L.	Ray	Turner, Everett E.	Johnson
Stocklin, Martin	Gasconade	Tye, Maude	Livingston
Stone, Letha	Johnson	Tyler, Victoria	Johnson
Strang, Joseph Kirk	Johnson	Urton, Elva Fay	Saline
Strang, Stranda	Johnson	Vance, Gladys Jewel	Benton
Strange, Florence	Clay	Vaughn, Marjorie	Lafayette

Vawter, Mary Lucille	Henry	Whitsett, Mary E.	Lafayette
Veach, Ellen	Johnson	Wilks, Anice Ruth	Johnson
Vernaz, Mercedes E.	Johnson	Williams, Bertie	Henry
Walkup, Lydia Miriam	Henry	Williams, Cecil Ollie	Saline
Wall, Marie Maude	Oklahoma	Williams, Ecel J.	Sullivan
Wallace, Austin	Maries	Williams, Frances	Oklahoma
Wallace, Hannah Marie	Johnson	Williams, Mabel Archie	Miller
Wallace, Ruth	Johnson	Williams, Maude	St. Charles
Waller, K. Flossie	Monroe	Williams, Pauline	Carroll
Waltmire, Geo. W.	Cass	Williamson, Mrs. Esther ...	Pettis
Warnick, Mabelle	Johnson	Williamson, Ruby May	Jackson
Warren, C. D.	Pettis	Willibrand, Anthony	Osage
Warren, Ellen C.	Camden	Wilson, Dema	Johnson
Wartig, Mabel	Caldwell	Wilson, James A.	Moniteau
Wash, Arlene	Johnson	Wilson, Natalie	Johnson
Washburn, Helen A.	Saline	Wilson, Roy Cecil	Moniteau
Waters, Norma	Camden	Winburn, Geo. Benford	Jackson
Watson, Ida	Miller	Winburn, Ople	Jackson
Watson, Lucy	Miller	Winders, Alma	Johnson
Wear, Venus	Benton	Winkler, Grace	Carroll
Webb, Bethel	Johnson	Winsorrough, Martha	Jackson
Webb, Bruce	Johnson	Wisdom, Chas. A.	Benton
Webb, Delma	Cole	Wood, Chester K.	Clinton
Webb, Ellis	Jackson	Wood, Elsie	Cooper
Webb, Guy	Jasper	Wood, Ernest	Johnson
Webb, Laura Lucille	Pettis	Wood, Mary Anne	Johnson
Webb, Pearl	Johnson	Wood, Mary Anne	Ray
Webb, Roy L.	Cass	Wood, Virgil Edward	Texas
Weedin, Minnie	Atchison	Woody, Anna	Bates
Weeks, Lysle W.	Jackson	Woolsey, Thos. G.	Caldwell
Weer, Dorothy	Pettis	Worley, Lulu Grace	Lafayette
Welch, Bertha Frances	Johnson	Worley, Mary	Lafayette
Welch, Mabel	Johnson	Wulfekamer, Alice	Lafayette
Welker, Mayme E.	Caldwell	Yancey, Beulah M.	Lafayette
West, John	Johnson	Yankee, Sam	Johnson
Wharton, Glee	Johnson	Yates, E. M.	Johnson
Wheeler, Sadie	Saline	Yates, Hariet E.	Johnson
White, Florence	Miller	Yates, Illa May	Johnson
White, May Alice	Jackson	Yeakey, Elizabeth	Randolph
White, Otto	Boone	Yeakey, Gertrude	Randolph
White, Sarah Pauline	Lafayette	Young, Mabel	Ray
Whiteaker, Mary Urcel	Johnson	Zaner, Walter	St. Clair
Whitsett, Lucy	Lafayette		

STUDENTS ENROLLED IN SUMMER TERM 1913.

Abell, Edna	Morgan	Barlow, Berthene Olive	Cole
Adams, Dell B.	Howard	Barnett, Mattie Pearl	Boone
Adams, Opal	Vernon	Barnwell, Wesley J.	St. Louis
Adams, Pearl	Johnson	Barr, Grace	Johnson
Adams, Willa	Saline	Bastian, W. D.	Lafayette
Agee, Pierce	Moniteau	Baswell, Letha	Oklahoma
Albin, Harry H.	Camden	Batchelder, Lulen	Camden
Alexander, Georgia Louise....	Henry	Bear, Geo. Vest	Moniteau
Alexander, Naomi	Henry	Beegle, Myra	Johnson
Allen, Anna	Morgan	Behm, Salome	Johnson
Allen, Bessie Mae	Johnson	Bell, Bertha	Lincoln
Allen, Eva	Kansas	Bell, Eathel	Benton
Allen, Lois	Morgan	Benefiel, Lora	Jackson
Allen, Maree	Johnson	Bennett, Nannie	Jackson
Allen, Mary L.	Bates	Benton, Frank	Johnson
Allen, Lovie Fay	Saline	Benton, Walker	Johnson
Allison, Emery W.	Maries	Bernard, Ethel	Pettis
Allison, Rachel	Platte	Bernesser, Minnie	St. Clair
Allison, Verna Mae	Ray	Bernesser, Myrtle Ol'Ve ...	St. Clair
Amery, Frances	Caldwell	Berry, Anna Mae	Pettis
Amick, Frances	Cooper	Berry, Cora	Clinton
Amos, Dell	Cole	Berry, Eleanor	Pettis
Amos, Don	Oklahoma	Berry, Ruth	Calloway
Amos, Elosia	Oklahoma	Best, B. D.	Clay
Anderson, Alsie M.	Johnson	Best, Lelia Wilson	Clay
Anderson, Ella	Buchanan	Bibb, Allen	Benton
Anderson, Eula	Henry	Biddle, Estelle	Johnson
Anderson, Evangeline	Jackson	Bigelow, Roy G.	St. Clair
Anderson, A. Plum	Johnson	Bilderback, Harvey	Cass
Anderson, Hattie	Carroll	Bishop, Virgil	Johnson
Anderson, Mabel Louise	Jackson	Blair, Mabel	Bates
Anderson, Pauline	Henry	Blake, Kate	Vernon
Angle, Elizabeth Pearle	Bates	Board, Elvin	Bates
Andes, Wilmer C.	Johnson	Bockelman, John	Pettis
Arnold, Agnes I.	Henry	Boggs, Gertrude	Davis
Artz, Della May	Miller	Boisseau, A. D.	Johnson
Asbury, Alma DeRay	Boone	Boley, Lena Rivers	Jackson
Asbury, Leah Gladys	Cooper	Bonne, Maxie	Morgan
Atkinson, Dora	Cole	Boone, Della	Johnson
Atkinson, Nellie Spencer	Lafayette	Boone, Robert F.	Johnson
Ayers, Iva	Bates	Boatman, Pearl Winifred	Howell
Baber, John	Ray	Borne, Herbert	Morgan
Baber, Lora M.	Ray	Borne, Reno E.	Morgan
Bachtel, Lona	Chariton	Boschert, Helen Barbara	St. Charles
Bagnell, Edna	Gentry	Boulton, Clara	Johnson
Bahrengurg, Delta Given..	Johnson	Bowlm, Zania May	Cass
Bailey, Lottie G.	St. Clair	Bower, W. F.	Moniteau
Baird, Eula M.	Johnson	Bowers, Mildred Neave	Jasper
Baker, E. T.	Stone	Bowlm, Ethel	Morgan
Baker, Lola Belle	Camden	Bowlm, Lou B.	Cass
Ball, Lora D.	Johnson	Bowman, Kate	Johnson
Ball, Lucy A.	Johnson	Bradley, C. E.	Johnson
Ballard, Lillian	Harrison	Brady, Chas. H.	Benton
Ballard, Monte	Harrison	Brady, Marie	Jackson
Ballfinch, Anna Loy	Bates	Bramel, Lydia	Johnson
Bancroft, Wilda	Johnson	Brannock, Mildred Frances ...	Cass
Bankhead, Bessie	Pike	Branson, Sallie	Maries

Brant, Iva DeKalb
 Brand, Sara Virginia Johnson
 Bratton, Stella Moniteau
 Brazier, Lawrence Melvin Cole
 Breden, Myrtle Johnson
 Breshears, Ethel Hickory
 Bridges, Eliza Morgan
 Brinkman, Hannah A. Lafayette
 Briscoe, A. O. Bates
 Briscoe, Mary Johnson
 Britton, Lora Estelle Lawrence
 Broadwater, Alice M. Cass
 Brock, Eugene A. Johnson
 Brodrick, Alma Clay
 Brodrick, George DeWitt Clay
 Brooks, Iola Frances Johnson
 Brooks, Vera Grace Johnson
 Brown, Barker Johnson
 Brown, B. J. Bates
 Brown, Bessie Lee Jackson
 Brown, Elsie Cass
 Brown, Ethel Carroll
 Brown, Genevia Carroll
 Brown, Gertrude St. Clair
 Brown, Jeffie Jasper
 Brown, Mona Johnson
 Brown, annie Lafayette
 Brown, T. J. Morgan
 Brown, Wm. D. Kansas
 Bruce, Grover C. Platte
 Bruggeman, H. W. Caldwell
 Bruggeman, Mrs. H. W. Caldwell
 Brunkhorst, Otto A. Morgan
 Bryan, Allie M. Carroll
 Bryan, Jos. Glen Ray
 Bryant, Mildred Jackson
 Bryson, Geo. W. Johnson
 Bryson, Lelia M. Benton
 Buckner, Flossie enry
 Buckingham, E. Katherryn Atchison
 Buckles, P. G. Bates
 Buford, Nellie Lee Illinois
 Bullerdick, Inez Louise... Atchison
 Burden, Walter Henry Cass
 Bufford, Georgia Frances Moniteau
 Burger, John Quincy Moniteau
 Burger, Marie Moniteau
 Burgert, Chester Johnson
 Burke, Belle Moniteau
 Burke, Gertrude Pettis
 Burnett, Flora Clay
 Burns, Imogene Jasper
 Burns, Mary P. Johnson
 Burris, Carl Harrison
 Burruss, Canilla Carroll
 Burruss, Lucy Carroll
 Burrus, Marie Cass
 Burton, Elizabeth Lafayette

Busbee, Olive Cedar
 Bush, Alva E. Johnson
 Bush, Minnie A. Johnson
 Butchers, Lillian M. Jasper
 Butterfield, Dorothy St. Francis
 Butts, Mary A. Platte
 Beatty, Edward Johnson
 Butts, Nannie Platte
 Butts, Wm. G. Platte
 Buzard, Judith Davies
 Byrd, Clarence C. Henry
 Caldwell, Nora Howell
 Clalison, Lynne Henry
 Campbell, Anna Johnson
 Campbell, Florence Morgan
 Campbell, Grace Saline
 Cannon, Printha Lincoln
 Cannon, Virgie Lincoln
 Cannon, Chas. Thos. Kentucky
 Canon, Mrs. Chas. Thos... Kentucky
 Carey, Mary Lee Clay
 Cargyle, Bessie Johnson
 Carlton, P. A. Johnson
 Carmack, Gael Johnson
 Carney, Ella Lee Johnson
 Carpenter, Anna Corse... Lafayette
 Carpenter, Mary Johnson
 Carroll, Geo. N. Gasconade
 Carroll, Jessie M. Lafayette
 Carroll, Kitty Caldwell
 Carter, Edna Johnson
 Carter, Jessie M. Pettis
 Carter, Virginia Marion
 Carter, elna Marion
 Cartmill, Mina Jackson
 Casebolt, Myrtle Johnson
 Cashman, Maud Pettis
 Catlin, J. H. Johnson
 Catlin, Mary Ruby Johnson
 Caton, Blanche Bates
 Cecil, Gretell Johnson
 Cecil, Viloa G. Johnson
 Chambers, Alice Scott Cooper
 Chambers, Mae Gragg Bates
 Chambers, Margaret Cole
 Chancellor, Josie Howard
 Chandler, Otis Loyad Ray
 Chapman, Alta M. Bates
 Chapman, Annie Oklahoma
 Chapman, R. A. Henry
 Chappell, Anna May DeKalb
 Cheek, Faye Johnson
 Cheek, Jessie Ruth Johnson
 Cheek, Rose G. Clay
 Chesley, Lottie St. Charles
 Chester, Paul Johnson
 Chinn, Maurine Vernon
 Chipman, Mary Belle Henry

Christoher, Claire	Johnson	Cox, Nancy	Cass
Church, Catherine	Colorado	Cox, Sylvia J.	Phelps
Clark, Constance	Henry	Coyle, Nellie May	Johnson
Clarke, Emma Lillian	Andrew	Coyle, Pearl Elen	Johnson
Clark, Jacob R.	Miller	Crabb, Mary E.	Bates
Clark, Marion	Johnson	Craddock, Ada	Jackson
Clark, Mary Lou	Ray	Craig, Anna May	Johnson
Clay, Grover	St. Charles	Craighead, Clara May ...	Calloway
Cleary, Ellen Martha ...	St. Charles	Cramer, Roscoe	Osage
Clemens, Anna	Carroll	Cramer, W. Floyd	Morgan
Cleveland, Gertrude	Calloway	Crawford, J. E.	Hickory
Cleveland, Lillian Ethel...	Calloway	Crawford, Oryne	Hickory
Clevenger, Mattie Byron	Clay	Crecehluie, Lydia M.	St. Louis
Clifford, Cathern	Johnson	Crews, Rhoda Ann	Howard
Clift, Mary	Saline	Cropp, Jas. Ernest	Howard
Cline, Maude Almina	Jackson	Cropp, Mrs. J. E.	Howard
Clinton, Mary O.	Johnson	Crosswhite, Chas. C.	Bates
Clouser, Florence	Platte	Crouch, J. Paul	Lafayette
Clouser, Lucy W.	Clinton	Crouch, Stanley C.	St. Clair
Cocke, Anita A.	Texas	Cruce, Mary Frances	Henry
Cocklin, Alice C.	Harrison	Crum, Agnes E.	Maries
Cockrill, Ada R.	Clay	Crum, C. L.	Maries
Coffey Mary D.	Johnson	Crutchfield, Ethel	Johnson
Coffman, Mary Lee	Ray	Culp, Elizabeth	Johnson
Cole, Celeste	Cooper	Culp, Maggie	Oregon
Cole, Ima	Benton	Curran, Jessie Martyn	Cass
Cole, Nora Edith	Ray	Culver, Mamie	Bates
Coleman, Ellis	Saline	Currell, Lizzie	Ray
Coleman, Irene C.	Johnson	Curry, Alva	Wright
Coleman, Lucile	St. Louis	Curry, Amy Catherine	Pettis
Collins, Earl A.	Davies	Curtis, Julia	Benton
Collins, Mrs. Ella	Clay	Dallas, Etta E.	Cass
Coney, Bernice Lorine	Pettis	Dalton, Mina	Johnson
Connelly, Bess	Johnson	Darnell, Myrtle	Camden
Connely, Lyle	Johnson	Dauwalter, Helen D.	Cooper
Connor, Anna E.	Pettis	Davenport, Geo. E.	Johnson
Conoyer, Laura	St. Charles	Davenport, John L.	Johnson
Conway, Marion L.	Johnson	Davidson, Sadie	Stoddard
Cook, Luther Washington..	Johnson	Davies, Sarah	Randolph
Cook, Maude Allyn	Johnson	Davis, Arta F.	Jackson
Cook, Ruth	Pettis	Davis, Carrie	Jackson
Coonrod, H. F.	Bates	Davis, Eva M.	Henry
Cooper, Chas. C.	Johnson	Davis, Everett	Johnson
Cooper, Flora Deane	Oklahoma	Davis, F. L.	Cass
Cooper, Nannie	Johnson	Davis, George Booker	Benton
Cooper, Orpha	Gasconade	Davis, Georgia	Bates
Coover, Elsie	Henry	Davis, Ida B.	Jackson
Coppage, Chas. Garnett	Henry	Davis, Jessie	Benton
Conway, Ruth	Cooper	Davis, Minnie H.	Johnson
Copas, T. A.	Moniteau	Davisson, Frances	Lafayette
Corby, Myrtle Lula	Jasper	Davisson, Lena Florence ...	Benton
Cordrey, Leona	Osage	Day, Besse B.	Jackson
Cordrey, Naltia Naomi	Osage	Dean, Huebtr	Lafayette
Coslett, Lora H.	Atchison	Dean, Jewel	Lafayette
Costigan, Margaret Mae ...	Jackson	Deardorff, Everett	Jasper
Couch, Helen Lee	Vernon	Deatherage, Magdalen	Franklin
Cox, Bertha D.	Pettis	DeAtley, Mary Goldie	Johnson
Cox, Myrtle	Carroll	Decker, Zeda A.	Morgan

DeHart, Lela Johnson
 Denhem, Nannie Lee Ray
 Dehoney, Anna Ethel Jackson
 Delaney, Alva Monroe
 Demint, Willie Mae Carroll
 Denney, Katie Howard
 Denny, Marie N. Jackson
 Dever, Evaliena L. Bates
 DeVore, Sadie Belle Cedar
 Dickson, J. T. Johnson
 Diefendorf, John W. Cooper
 Dillon, Lourissie Johnson
 Dixon, Josephine Virginia Johnson
 Doak, Blanche Johnson
 Doak, John A. Johnson
 Dodson, Katherine Atchison
 Donnelly, Helen T. Pettis
 Donnohue, Myrtle Vest Pettis
 Doty, Mary Ethel Carroll
 Douglas, Clara Clay
 Douglas, Harry Lee Johnson
 Dove, Bert Miss Cedar
 Dove, Elizabeth Augusta Arkansas
 Dowd, Nelle Elizabeth Cole
 Dozier, Beth Heard Johnson
 Drinkwater, Myrtle Pettis
 Duffendack, Omer Ben ... Lafayette
 DuCoign, Myrtle Johnson
 Dufner, Arthur Gasconade
 Dunham, Grace Johnson
 Dunn, Mattie L. Henry
 Eagan, Beulah Lafayette
 Eagan, Gussie Chariton
 Eastham, Helen Johnson
 Eastham, Mary Catherine Johnson
 Eeberts, Berwin E. Johnson
 Ecton, Wiley Clay
 Edwards, Minnie B. Davies
 Eickelberger, Jeanotta Cooper
 Eisenbath, Colatte St. Charles
 Elliott, Arthur C. Johnson
 Eliot, Ina C. Vernon
 Elliott, Lula Grace Johnson
 Elliott, May Johnson
 Emmerick, Anna Marie ... Chariton
 England, Grace Ray
 Etherton, H. C. Caldwell
 Evans, Ethel Miller
 Evans, Josie Pulaski
 Ewing, Granville California
 Ezell, Mattie Saline
 Fahnestock, Lulu Belle Henry
 Fairchild, Marie Johnson
 Faris, Louis B. Saline
 Farley, Belmont Mercer ... Johnson
 Farrell, Mayme Jackson
 Farthing, Margaret Buchanan
 Faucett, Glenn Benton

Faulkner, Eva Johnson
 Faulkner, Everett Johnson
 Faulkner, Fannie Henry
 Favorite, Nellie Gladys... Johnson
 Feaster, Mylop Benton
 Feaster, Vera Benton
 Feaster, Zelma Benton
 Feugate, Bertha Pearl Johnson
 Files, Hattie Mae Johnson
 Files, Sallie Lynne Johnson
 Finch, Ada Lafayette
 Findley, Alma Osage
 Fisher, Grace Benton
 Fisher, Hazel L. Carroll
 Fisher, Josephine Marion
 Fisher, Kizzie Saline
 Fisher, Mary L. Johnson
 Fisher, Neva Carroll
 Fisher, S. Glenn Benton
 Fitch, Fannie Johnson
 Flagg, Mabel Vernon
 Flanery, Mary Rebecca ... Johnson
 Ford, Anna Jackson
 Fortney, Katherine Johnson
 Foster, Lee Johnson
 Foster, M. Lillian Ray
 Foster, Mildred Johnson
 Foust, Grace Marie Cass
 Foutch, Mary Atchison
 Fouts, Estella Lucille ... St. Clair
 Fowler, Charles Wade Vernon
 Fowler, Leona Bell Johnson
 Fowler, Mamie Saline
 Fraher, Genevieve J. Clay
 Fraher, Hester Regina Jackson
 Francis, Margaret Blythe Clay
 Francisco, Mary Saline
 Frank, Anna Bates
 Frank, Katie Bates
 Franklin, May Johnson
 Frazee, Sallie Bates
 Frazier, S. T. Jackson
 Frazier, Zelma Jackson
 Fredericks, Marshall Arnold Morgan
 Freeman, Hazel Cass
 Frisette, Mable Benton
 Fulks, Mabel Moniteau
 Funk, Annice Perring Pettis
 Fry, Catherine Marion
 Fuhr, Laura St. Charles
 Fullrich, Rose Moniteau
 Funk, Mary Gladys Bates
 Galbraith, C. C. Platte
 Gallagher, Kate Jackson
 Galle, Grace Ray
 Gamble, Elsie Moniteau
 Gambler, Ada Johnson
 Gammill, Ruth Caldwell

Gantner, Helen Cooper
 Garbe, Carrye Buchanan
 Garland, Gladys Cooper
 Garland, Homer Cooper
 Garnett, Cole
 Garton, Lota Vernon
 Gash, Katherine Marion
 Gastineau, Chas. Jasper
 Gauss, Lois St. Charles
 Geatiot, Louise St. Louis
 Gentzler, Lottie Bates
 Gentry, Eva Johnson
 Gibbs, Verdie C. Henry
 Gibson, Olive Jasper
 Gilbert, John Johnson
 Gilkerson, Nannie W. Cass
 Gill, Sarah Marie Clay
 Gillespie, Effie Lafayette
 Gilliland, Emma Johnson
 Gilliland, H. H. Lafayette
 Gillium, Addie Marie Johnson
 Gillium, Alpha Johnson
 Givens, Carrie Gasconade
 Givens, Florence Cooper
 Gleason, Frances Oklahoma
 Goatcher, Carrie Howell
 Golden, Lois Benton
 Goodbar, Lee Davies
 Goodbar, Earl Grant Davies
 Goode, Vivian Ray Franklin
 Goodin, Ella Henry
 Gott, Beulah Elizabeth Ray
 Gragg, Mary Edna Bates
 Graham, Wade Maries
 Grannemann, Clara Anna Franklin
 Graves, Ruth Evelyn Carroll
 Gray, James M. Miller
 Grayson, Golden St. Francis
 Green, Raymond Carroll
 Greener, Lillian Livingston
 Greenlee, Hazel Ruby Cass
 Greer, Erkie Omega Johnson
 Greer, Grace Johnson
 Gregg, Mary Ellen Johnson
 Gregory, Elizabeth A. Pettis
 Grier, Ada R. Johnson
 Grier, Elsie E. Johnson
 Griffith, Floy Winn Clay
 Griffey, Grace Ray
 Grigsby, Dollie Audrain
 Grojean, D. E. Stoddard
 Gross, Frieda Benton
 Grover, Ben W. Johnson
 Greves, E. F. Moniteau
 Gungoll, Esther Cole
 Guthrie, Mary Pettis
 Gwathnney, Katherine E. Clinton
 Guenther, William H. Lafayette

Guthrie, Audra C. St. Charles
 Hacker, Fred C. Illinois
 Hackley, Nora Johnson
 Hale, Lyda Moniteau
 Hall, Etheleen St. Clair
 Ball, Kate Atchison
 Ham, Mildred Howard
 Ham, Bernice Lafayette
 Hamilton, Iva L. Clay
 Hamilton, Lena May Clay
 Hamilton, Mabel Johnson
 Hamlin, Maye Ethyleene Cooper
 Hammett, Letha V. Buchanan
 Hammontree, Delana Bates
 Hammontree, Nannie Bates
 Hamisfar, Florence Johnson
 Hampton, Mildred Henry
 Handy, Pauline Johnson
 Hansel, Anna Pearl Moniteau
 Hanna, Lester Floyd Caldwell
 Hannum, Mrs. Anna V. Johnson
 Hannum, Beulah Johnson
 Bannum, Nellie Johnson
 Harned, Bettie Cooper
 Harned, Clara Virginia Cooper
 Harned, Marcis Cooper
 Harnish, Ella L. Cass
 Harper, Jessie Mae Hickory
 Harpham, Elmer Benton
 Harris, Alice L. Johnson
 Harris, Ida R. Pettis
 Harris, Ona Ethlyn Cooper
 Harrison, D. T. Ray
 Harrison, Jessie Maries
 Harrison, Mable Saline
 Hartel, Elsie May Clay
 Hartman, Hattie Vaughn Cooper
 Harville, Rowena Jackson
 Hatfield, Frances Caldwell
 Hatfield, L. Maude Ray
 Hawman, Grace M. DeKalb
 Hayden, Myrtle Johnson
 Hayse, Emma St. Charles
 Heath, Hazel St. Louis
 Heatherly, Ellen Lewis
 Heatherly, Mary Lewis
 Heberling, Lydie Johnson
 Hedges, Bessie Pike
 Heerwald, Paul S. Lafayette
 Heibner, Emma Benton
 Heidbreder, E. L. Osage
 Henley, Effie Johnson
 Henton, Mildred Pettis
 Henton, Zula E. Lincoln
 Henzlick, F. E. St. Clair
 Herndon, Lena Caldwell
 Herrell, Frank M. Cass
 Herrell, Ethel Bates

Hershberger, Erdie Marie Johnson
 Heying, Martha Howard
 Hickman, Anna Belle Caldwell
 Hickman, Avo Lyngare..... Harrison
 Hickman, Laura Elizabeth Saline
 Hieronymus, Carrie Clay
 Hire, Opal Jackson
 Hitchborne, Edith Grace Saline
 Hobart, Pearl Jackson
 Hobbs, Irene Johnson
 Hockaday, Margaret Cass
 Hodge, Grace E. Moniteau
 Hoemann, Adolph W. Franklin
 Hoemann, Edwin Franklin
 Hogan, Mary Johnson
 Hogan, Mary Virginia Johnson
 Holland, Callie Cass
 Holland, Helen M. Johnson
 Hollar, E. Cleveland Ray
 Horn, Myra Platte
 Hoover, Chester St. Clair
 Hoover, John H. Ray
 Hopkins, Charles Cecil Holt
 Hosman, A. L. Johnson
 Hotsenpiller, Addie Cooper
 Huse, Florence Benton
 Howe, Erdie Mae Saline
 Howe, John Jackson
 Howerton, Lillian Johnson
 Huddleston, Claude Camden
 Hudson, Audrey Henry
 Hudson, Mrs. Chas. B. Moniteau
 Hudson, Lela Johnson
 Hudson, Veda Johnson
 Hughes, Marie Adelaide... Johnson
 Hughes, Mary F. Johnson
 Hugill, Stella Jackson
 Hulett, Vertie E. Clay
 Hull, Stattie D. Johnson
 Hulse, Olive Jackson
 Humphrey, Bessie Bates
 Hunt, Esther Canada
 Hunter, Edna Lucille Johnson
 Hunter, M. D. Johnson
 Hunter, Mrs. M. D. Johnson
 Hunter, Oma Bee Johnson
 Hunter, Wilking Johnson
 Hurst, Pearl E. Ray
 Husted, Iva Adams Jackson
 Hutchens, Jewel Johnson
 Hutchings, Hilda Jackson
 Igo, Eva Newel Morgan
 Igo, Eula Leota Morgan
 Imhoff, Sciota Ray
 Ingels, Leona L. St. Clair
 Isenhouer, Bessie Andrew
 Ives, Jessie Gladys Johnson
 Ives, Margaret Johnson

Ives, Roy F. Johnson
 Jacks, Ottie Lee Platte
 Jackson, James Roy Lincoln
 Jackson, Myrtle Cedar
 Jacobs, Laura Cole
 James, Guy E. Maries
 James, Hattie Johnson
 James, Inez Esther Johnson
 James, Virginia Cass
 Jenkins, Gladys Ray
 Jenkins, Theresa Pearl ... Lafayette
 Jenkins, Iris Henry
 Jennings, Clarence O. Jackson
 Jett, Roy C. Osage
 Johnson, Edwin Jackson
 Johnson, Ella Cooper
 Johnson, Eula Pearl Johnson
 Johnson, M. E. Camden
 Johnson, Margaret Fern Henry
 Johnson, Mary Rebecca Cooper
 Johnson, Nelle Lafayette
 Johnson, Ora Dell Maries
 Johnson, Pansy Pearl Maries
 Johnson, Ulah O. Vernon
 Johnson, Carrie Lafayette
 Johnston, Blanche Rogers Johnson
 Johnston, James Clinton ... Henry
 Johnston, Roy Y. Washington
 Jones, Florence Louise Jackson
 Jones, Maggie Bates
 Jones, Margaret Caldwell
 Jones, Zella N. Moniteau
 Jordan, Chloe Howard
 Judy, Olive E. Bates
 Judy, Una May Bates
 Kobrick, Jo Lafayette
 Kapell, Gusta Osage
 Kauffman, Mary Morgan
 Kauffman, Ruby Johnson
 Kay, John Patrick Moniteau
 Keenan, Gertrude Cass
 Kelk, Mrs. Pauline Pettis
 Keller, Sidney M. Ray
 Kelley, Edith Johnson
 Kemmerer, Rose Platte
 Kemp, M. Lean Cedar
 Kemper, Jamie Johnson
 Kenagy, Harold Johnson
 Kenagy, Herbert G. Johnson
 Kennedy, Margaret Ray
 Kennish, Grace Holt
 Kerley, Traber Jackson
 Kessinger, Ina Howard
 Killion, Mrs. Lura Johnson
 Killan, Edith Gentry
 Kincaid, Grace Caldwell
 King, R. G. Johnson
 Kinlock, Oklahoma

Kinman, Mable Cass
 Kipphant, Ahrens D. New Jersey
 Kirk, Alice Jhnson
 Kobrock, Louise Pettis
 Kropp, Wm. A. Cass
 Kuster, Jessie A. Jackson
 Kyle, Katherine Cass
 LaFon, Minnie Marion
 Lally, Eleanor Mary Illinois
 Lamme, Avis Henry
 Landsidel, Henrietta Johnson
 Landsidel, Norah Johnson
 Larkin, Beulah Lafayette
 Larkin, Eunice Moore, ... Lafayette
 Laun, Gleaves Johnson
 Layton, Esther Irene Johnson
 Leach, George Cooper
 Leathers, Lulu Josephine ... Jasper
 Leavy, Etta Jackson
 Lee, John N. Bates,
 Lee, Wilfred Clay Johnson
 Leeth, Pearl D. Vernon
 Lefever, Alma Morgan
 Lefever, Eva Morgan
 Lemmon, Jean Reavis Johnson
 Lester, Ada Elizabeth Carroll
 Lester, Sergie Carroll
 Leuck, Marion Johnson
 Lewis, Edwin Johnson
 Lewis, Dan Jr. Johnson
 Lewis, Sarah Caldwell
 Liggett, Homer J. Cass
 Lightcap, Besse D. St. Clair
 Lightcap, S. E. St. Clair
 Limerick, Mary Boone
 Linder, Helen Virginia Platte
 Littlefield, Nora Johnson
 Lobban, Charles Johnson
 Lock, Phil J. Osage
 Lockridge, Olive Davies
 Long, Beulah Benton Johnson
 Long, Inez L. Johnson
 Long, J. Mack Montgomery
 Long, Mrs. L. L. Johnson
 Lopp, Zada Benton
 Lounsbury, John L. Bates
 Love, John Oscar Benton
 Lowrey, Arethusa Johnson
 Lowrey, Florence Ruth ... Johnson
 Lowry, Irma Bates
 Ludeman, Ola May Pettis
 Luetjen, Ida R. Morgan
 Lugen, Christine Pettis
 Lukens, Edith Jackson
 Lusby, Kethleen Johnson
 Lyon, S. Golda Johnson
 Lyle, Mabel Florence Johnson
 McAninch, Anna Vernon

McAtee, Mary Reanette ... Howard
 McCall, Nelson Carroll
 McCalmon, Chas. A. Henry
 McCampbell, Ross Gentry
 McChesney, Nelle Bates
 McClain, Vesta Pettis
 McClellan, Elsie Carroll
 McClelland, Willie M. Jackson
 McClenny, Elsie Bates
 McCluney, Ethel Pettis
 McCluney, Ida May Davies
 McClymond, Ernest L. ... Moniteau
 McClymond, Mildred Moniteau
 McConnel, James Minter Clay
 McCormick, Anna L. Saline
 McCormick, Cynthia L. Jasper
 McCormick, Jessie Saline
 McCormick, Mamie Pettis
 McCormick, Nadine Ray
 McClimore, J. Walton Vernon
 McCoy, Georgia St. Charles
 McCoy, Grace Christian
 McCray, Ola Morgan
 McCulloch, Lois A. Bates
 McCutcheon, Isabel Cooper
 McCutchen, Helen Johnson
 McFarland, Anna Mary ... Madison
 McFarland, Eula Cooper
 McIntire, Callie Henry
 McFarland, Janet Russell... Platte
 McGaugh, Alice Ray
 McGee, Beulah Frances.. Lafayette
 McGhee, Erin Clay
 McGiboney, Katie Emil Texas
 McGrath, Etta Johnson
 McIntyre, Allie Gertrude ... Henry
 McKean, Nellie M. Cass
 McKinney, John Ray
 McKinsey, James Oscar ... Audrain
 McKinney, Nellie Cole
 McKinzie, Lucy Hickory
 McMahan, Julia Johnson
 McManigal, Lucile Johnson
 McMorrow, Marie Oklahoma
 McNabb, Sadie Cass
 McPheeters, G. C. Dallas
 McQuerry, Pansy Johnson
 Macey, Mattie Ray
 Mackey, Bertha May Calloway
 Mackey, Grace Roy Calloway
 Macrae, Dena Cass
 Madden, Allene Caldwell
 Madden, Nell Caldwell
 Maddy, Alvena H. Bates
 Magee, Lulu Johnson
 Magee, Robt. M. Johnson
 Magruder, Gretchen Lincoln
 Magruder, Minola M. Shelton

Maguire, Merle	Caldwell	Misner, Ida Belle	Jackson
Mahan, Carrie	Cole	Mitchell, C. E.	Lafayette
Mahan, Marvin E.	Cole	Mitchel, Wm. A.	Henry
Mahan, Thomas	Cole	Mitchner, Ruby Ollie	Benton
Majors, Charles Lee	St. Clair	Mitzel, Audry Belle	Pettis
Malter, Esta Elizabeth	St. Clair	Moeckli, Arthur	Gasconade
Malugen, Effie L.	St. Frances	Mohler, Maurice D.	Johnson
Manis, Eura	Johnson	Moles, Tom. O.	Johnson
Marmon, Ethel	Bates	Moore, Alice	Johnson
Marolf, Henry P.	Jackson	Moore, Amy Ruth	Lafayette
Marquis, Alice	Clinton	Moore, B. Belle	Atchison
Marriott, Melva	Morgan	Moore, Fannie	Cooper
Marriott, O. R.	Morgan	Moore, Nellie Elizabeth	Bates
Marsh, Ressa	Dallas	Moore, Ruth Briney	Johnson
Marshall, Birchlyn	Johnson	Moore, Walter R.	Cooper
Marshall, Evelyn	Buchanan	Moreland, A. C.	Bates
Marshall, Luella	Franklin	Moreland, Ganny	Bates
Marshall, Nell Jane	Jackson	Moreland, Grace	Bates
Martensen, Edna E.	Morgan	Moreland, Jessie	Bates
Martie, John Edward	Moniteau	Morgan, Anna	Clay
Martin, Anna Belle	Jackson	Morgan, Elizabeth	Macon
Martin, Edith Jane	Johnson	Morgan, Marguerite	Lafayette
Martin, Hazel	Lafayette	Moriarty, Ella	Johnson
Martin, Mary L.	Johnson	Moriarty, John F.	Johnson
Martin, Maude	Bates	Morriosn, Willena	Morgan
Mathews, Fannie	St. Louis	Morris, Ensley E.	Moniteau
Mathews, Myrtle Jessie....	Jackson	Morris, Leslie E.	Moniteau
Mattingly, Lucy	Bates	Morrow, May	Caldwell
Mattingly, Mary	Bates	Morton, Winna	Johnson
Mauden, Mary Nell	Howard	Moul, Emma Lucinda	Cedar
Maxwell, Mazie	Marion	Mudd, Marguerite	St. Charles
Maxwell, Mark W.	Johnson	Mueller, Clara	Franklin
Mayhew, Mrs. Zeta	Johnson	Mullies, Ellen M.	Bates
Mayse, Hallie W.	Davies	Mullins, J. Vivian	Saline
Meeder, Emily S.	Buchanan	Munkers, Klara Carlotte....	Andrew
Mercer, Grace	Cooper	Muri, Alice Florence	Moniteau
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Merrill, Gussie	Vernon	Myers, Alda Ruth	Camden
Metcalf, Louis	St. Clair	Myers, Evert	Benton
Meyers, Beulah W.	Cass	Myers, Nancy Theo	Cass
Michaelis, Louise	Harrison	Myers, Cyrus	Benton
Milburn, Elsie	Moniteau	Nasse, Terese	Lafayette
Miller, Adelle	Cass	Nattinger, Maude	Johnson
Miller, Althea D.	Nodaway	Neal, Mayme	Audrain
Miller, Bonna	Saline	Neufus, Glen Newton	Johnson
Miller, Calvin Taylor	Miller	Neely, Grace I.	Johnson
Miller, Chas. Henry	Pettis	Neely, N. Myrtle	Johnson
Miller, Florence	Cooper	Neff, J. J.	Lafayette
Miller, Herschel	Henry	Neher, S. J.	Johnson
Miller, Leah D.	Moniteau	Nelson, Pearle	Polk
Miller, Lucille	Johnson	Neville, Anna	Henry
Miller, Mary M.	Johnson	Newkirk, Lena Bell	Johnson
Miller, Winna D.	Saline	Niblack, Cuba A.	Webster
Millikan, Chloe Ethel	Vernon	Nichols, Clema	Boone
Mills, Ralph Trimble	Bates	Nichols, Orvilla	Henry
Milner, Carrie	Henry	Noland, Bernice	Jackson
Minor, Helen M.	Pike	Noland, Mary Margaret	Jackson
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Park, J. C.	Pettis	Pawel, Bessie	Saline
Park, Mattie	Vernon	Powel, Lena	Johnson
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Parker, Ivy Roe	Cass	Power, Josephine	Kansas
Parker, Margaret	Ray	Powers, Mrs. Jennie	Howard
Parkhurst, Lydia	Saline	Power, Sarah	Mercer
Parks, Barbara	Henry	Powers, Sudie	Howard
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Parsons, J. H.	Cooper	Pugh, Marie	St. Clair
Parsons, Raymond	Morgan	Putman, Katherine	Bates
Patterson, Harold	Johnson	Quick, A. A.	Johnson
Patton, Catherine	Phelps	Rages, E. A.	Morgan
Payne, Ben	Pettis	Ragesdale, Annie B.	Johnson
Peak, George J.	Johnson	Ramer, Mary C.	Morgan
Pemberton, Una	Johnson	Ramsey, Carrie B.	Caldwell
Pence, Goldie	St. Charles	Ramsey, Stella	Bates
Pendleton, Mary Josephine	Johnson	Randall, Myrtle	Bates
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Perry, Gussie Ellene	Lafayette	Rathbun, Elizabeth Fern	Davies
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Reed, Myra Oliver	Osage
Reed, Nelle M.	DeKalb
Reed, Harva	Caly
Rees, Irena	Vernon
Reich, Bertha	Howard
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Richards, Ida	Saline
Richardson, Irene	Cole
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Richter, Rosa	Saline
Rigg, Lottie M.	Lafayette
Rigg, Vinnie Jane	Lafayette
Riggs, Grace	Jackson
Riggs, Leona	Boone
Riley, Josephine	Buchanan
Riley, Mabel	Lafayette
Ringo, Agnes	Johnson
Roadcap, Eva Lewis	Ray
Roadcap, Viola	Ray
Roark, Grace	Johnson
Roark, Opal	Johnson
Roberts, Agnes Constance	Johnson
Roberts, Bessie A.	Johnson
Roberts, Carlotta	Vernon
Roberts, Gertrude	Johnson
Roberts, Mabel Rose	Johnson
Roberts, May	Miller
Roberts, Pearl	Miller
Robertson, Flora	Johnson
Robertson, Ralph	Johnson
Robinson, Finis	Johnson
Rockhold, Lulu M.	Bates
Rockhold, Mabel	Bates
Rodabough, Vera	Ray
Roebken, Minnie	Clay
Roehl, Hermann	Osage
Rogers, Dora Syble	Bates
Rogers, Emma R.	Marion
Rogers, Golden	Johnson
Rogers, Homer	Hickory
Rogers, Mary L.	Saline
Rohlfing, Amelia W.	Franklin
Rohring, Anna H.	Lafayette
Roiter, Selma	Morgan
Roop, Geane E.	Johnson
Rose, Mary Allen	Lincoln
Rougemont, James Robert	Caldwell
Rouse, Bertha Alma	Henry
Rouse, Gertie	Henry
Roush, Jessie	Cass
Rosbrugh, Alma	St. Clair
Rosbrugh, Sabra	St. Clair
Rucker, Martha C.	Cooper
Rukes, Nellie Howlett	Henry
Russell, Bole	Caldwell
Russell, Elsie	Caldwell
Russell, Lola B.	Jackson
Ryan, Eva	Jackson
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Samuel, Ada	Johnson
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Sanders, Myra	Morgan
Sanders, Nora Neal	Cass
Sanders, Tom	Johnson
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Sappington, Ethel Ruby	Henry
Schaff, Amy	Macon
Schaffer, Blanche	Carroll
Schaper, Anna E.	St. Charles
Schmidt, Josephine	Clay
Schrock, Cora A.	Cass
Schrock, Edna M.	Cass
Schwalm, Luella	Cedar
Schweech, Katherine	Ray
Schweer, Mabel	Johnson
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Scott, John	Moniteau
Scott, Lillian Marie	Saline
Scott, Mabel	Vernon
Scott, Virginia Ann	Montgomery
Scotten, Oscar M.	Pettis
Scruby, Wm.	Johnson
Scruggs, Veane	Jackson
Sellers, Ethel	Harrison
Selvidge, Grover	St. Clair
Seward, Margaret	Saline
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Settle, W. C.	Cass
Shackelford, Marjorie	Howard
Shadburn, Lealand	Henry
Shafer, Edith	Saline
Shafer, Mabelle	Jackson
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Shannon, Nettie D.	Johnson
Sheer, Adalyn	Lafayette
Shelton, Binford	Morgan
Sheperd, Bertha M.	DeKalb
Sheperd, Octa C.	DeKalb
Shirley, Agnes Lorain	Johnson
Shirley, Minnie M.	Johnson
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Shryack, Earlene Jewel	Johnson
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Simmons, Ethel M. Clay
 Simmons, Marie Cooper
 Simmons, Verna Johnson
 Simms, Bertha Ray
 Simms, M. Georgia Johnson
 Sims, Diantha Johnson
 Sims, Ethel Calloway
 Sims, Helen D. Johnson
 Sisk, Eunice Mabel Clay
 Skinner, Emma Catherine Cass
 Skouby, Josephine Maries
 Slaughter, Anna Johnson
 Slaughter, Lucy Clay
 Slusher, Elijah Lafayette
 Sly, Inez Cooper
 Smart, Minnie Clay
 Smiley, Maggie Johnson
 Smith, Etta Blanche Johnson
 Smith, Dora B. Clay
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 Smith, Launa M. Cooper
 Smith, Leleah Opal Johnson
 Smith, Lelia Lafayette
 Smith, Leona Pearla Johnson
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 Smith, Lillie Blanche Bates
 Smith, O. Vard Pettis
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 Smith, Rex A. Johnson
 Smith, R. G. Howard
 Smith, Stephen E. Bates
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 Smithton, Blanche Pettis
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 Snapp, Flora
 Snare, Cora Johnson
 Shell, Tillie Pettis
 Snider, Mary Elizabeth Howard
 Snow, Mamie E. Clay
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 Sodeman, James M. Platte
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 Solomon, Sophia Saline
 Sone, Edna Lee Cole
 Sparks, Irene Saline
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 Sparks, Mary Elva Lafayette
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 Spiess, Isabel Johnson
 Spitzer, Mrs. Birdie Johnson
 Spooner, Gail Oklahoma
 Spry, Harry Chas. Oklahoma
 Spry, Luman Howard
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Squires, Mrs. M. B. Carroll
 Stahl, Fred A. Johnson
 Stahlhut, Clara Pettis
 Stair, Bernice Caldwell
 Stanfield, Craig Cooper
 Staples, Ethelyne Jackson
 Staples, Fay Frances Jackson
 Staples, Lou Taylor Chariton
 St. Clair, Lillian, Johnson
 St. Clair, Pearle Johnson
 Starke, Harriet Edna Cooper
 Stebbins, Mary E. Arkansas
 Steeby, George W. Andrew
 Steen, Ione Cass
 Steffens, Clara Franklin
 Stemmons, Claudia Howard
 Stephens, Henry St. Clair
 Stephens, Ora Leta Henry
 Stephens, Reid Cooper
 Sterling, Eunice Cooper
 Sterling, Nellie Hart Johnson
 Sterling, Nellie R. Cooper
 Stewart, Corinne Montgomery
 Stewart, Modestus Stone
 Still, Grace G. Vernon
 Stockard, F. L. Ray
 Stockman, Theresa C. Saline
 Stocklin, Martin Gasconade
 Stone, Wren A. Cass
 Strahan, Florence Mabel Cass
 Strahan, Gladys Allene Cass
 Strobel, Gertrude Emma Holt
 Strobel, Lawrence Moniteau
 Suddeth, Louzetta Johnson
 Suenkel, Ernest Osage
 Sullivan, Muriel Catherine Henry
 Summer, Walter St. Clair
 Surber, Albert Johnson
 Sutherland, Ora Clyde Benton
 Sutton, Myrtle M. Benton
 Swayze, Coline Henry
 Swayze, Vivian Henry
 Swearingen, Leo Cass
 Swink, Ruth Caroline.... St. Francis
 Switzer, Edith Mabel Harrison
 Tabor, Bernice Johnson
 Talley, Dora Johnson
 Tatum, Georgia Lee Jackson
 Tate, Marjorie Jackson
 Tatum, Kate M. Carroll
 Tatum, Nannie E. Jackson
 Taul, Edna Clay
 Taylor, Bertram L. Benton
 Taylor, J. F. Lafayette
 Taylor, Maude Camden
 Taylor, W. L. Johnson
 Teener, Mary Edna Pettis
 Tennill, Lela Katherine Saline

Terrill, Alfred	Maries	Wear, Venus	Benton
Thomas, Amy Ketherine	Moniteau	Weathers, Zaidee B.	Cass
Thomasson, Mollie A.	Madison	Weaver, Lowell E.	Benton
Thompson, Fayetta Maude	Kansas	Webb, Bethel	Johnson
Thompson, Irma E.	Bates	Webb, Guy	Jasper
Thompson, Sterling	Lewis	Weber, Esther A.	Clay
Thornton, Veneti	Calloway	Weer, Dorothy M.	Pettis
Thurber, Patti	Johnson	Weir, Myrtle Belle	Cole
Thurman, Enid K.	Lafayette	Weisser, Lydia Cornelia	Moniteau
Thurman, Gladys	Johnson	Welden, Marjorie	DeKalb
Todd, Avis B.	Cass	Welker, Mayme E.	Johnson
Todd, Kate S.	Cass	Welker, Ora Viola ...	St. Francois
Townsen, Ruth	Audrain	Weller, W. H.	Pettis
Travis, Wm. C.	Maries	Webb, Annie Lowell	Buchanan
Tucker, Katherine	Cole	Wells, Bula Myrl	Carroll
Tucker, R. Leslie	Benton	Wells, Iona M.	St. Clair
Tucker, Sidney B.	Pettis	West, John	Johnson
Tugel, Melville	Franklin	Wharton, Wm. A.	Pettis
Tuggle, Hester Pearl	Platte	Wheatley, Goldie Viola	Bates
Turner, Adele L.	Jasper	Wheeler, Eugene	Jackson
Turner, Everett E.	Johnson	Wheeler, Sadie	Saline
Turnar, Harry Lee	Cooper	White, Blanche	Jasper
Tyle, Maude	Livingston	White, Bonnibel	Jasper
Tyler, Ben	Johnson	White, Florence	Miller
Tyler, Bertha Alice	Johnson	White, Helen	Howard
Tyler, Geneva May ...	St. Charles	White, Goldie	Jasper
Urquhart, Mabel	Cass	Whitmore, Mary	Ray
VanBooven, Melvina	Saline	Whitmore, Alice	Cass
Vance, Gladys	Benton	Whitsett, Ruth Marie...	Lafayette
Vance, Verne Viola	Benton	Ursula, Maidee	Jackson
VanFleet, Mabel	Cass	Wilkinson, Ida	Clay
Variable, Anna B.	Clay	Wilks, Anice Ruth	Johnson
Veach, Ellen	Johnson	Williams, Alma L.	Johnson
DeVilbiss, Hattie	Moniteau	Williams, Elzie Orville ...	Morgan
Vinson, Blanche	Benton	Williams, Fleta Hazel...	Lafayette
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Vivian, Vera	Clay	Williams, Lena	Pettis
Wade, Sarah F.	Lafayette	Williams, Katherine	Cooper
Wade, Susie	Clay	Williams, Mary F.	Caldwell
Wagoner, Lena	Henry	Williams, Mollie	Arkansas
Wagoner, Ora E.	Pettis	Williams, Nell Edmonia	Pettis
Wakefield, Lillie	Pettis	Williams, Pearl	Saline
Walch, Marguerite	Pettis	Williams, Pauline	Carroll
Walker, Mary L.	Lafayette	Williams, Pauline Bee ...	Johnson
Wallace, Austin	Maries	Williams, Roma D.	Pettis
Wallace, Edith	Nodaway	Willis, Edith	Benton
Wallace, Mattie	Johnson	Wilson, Dema	Audrain
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Walker, Nelle	Davies	Wilson, Lelia	Moniteau
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Watson, J. Bessie	Audrain	Windsor, A.	Cooper
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Wear, Betra May	Clay	Winsborough, Martha	Jackson
Wear, Carrie E.	Clay	Winn, Elmira	Lafayette

Winston, Katherine Liberty
 Wisdom, Pinkie Dallas
 Wischart, Althea Vernon
 Witt, Emma Jackson
 Witte, Otis B. Benton
 Wolfe, J. C. Jackson
 Wolf, Edward Victor Bates
 Wood, E. B. Johnson
 Wood, Elsie Cooper
 Wood, Martha May Franklin
 Wood, Nellie Clay
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 Word, Grace Bates
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 Wright, Willie Beatrice Clinton

Wulfekammer, Alice Lafayette
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 Yeakey, Elizabeth Randolph
 Young, Elden Camden
 Youngs, Geneve A. Johnson
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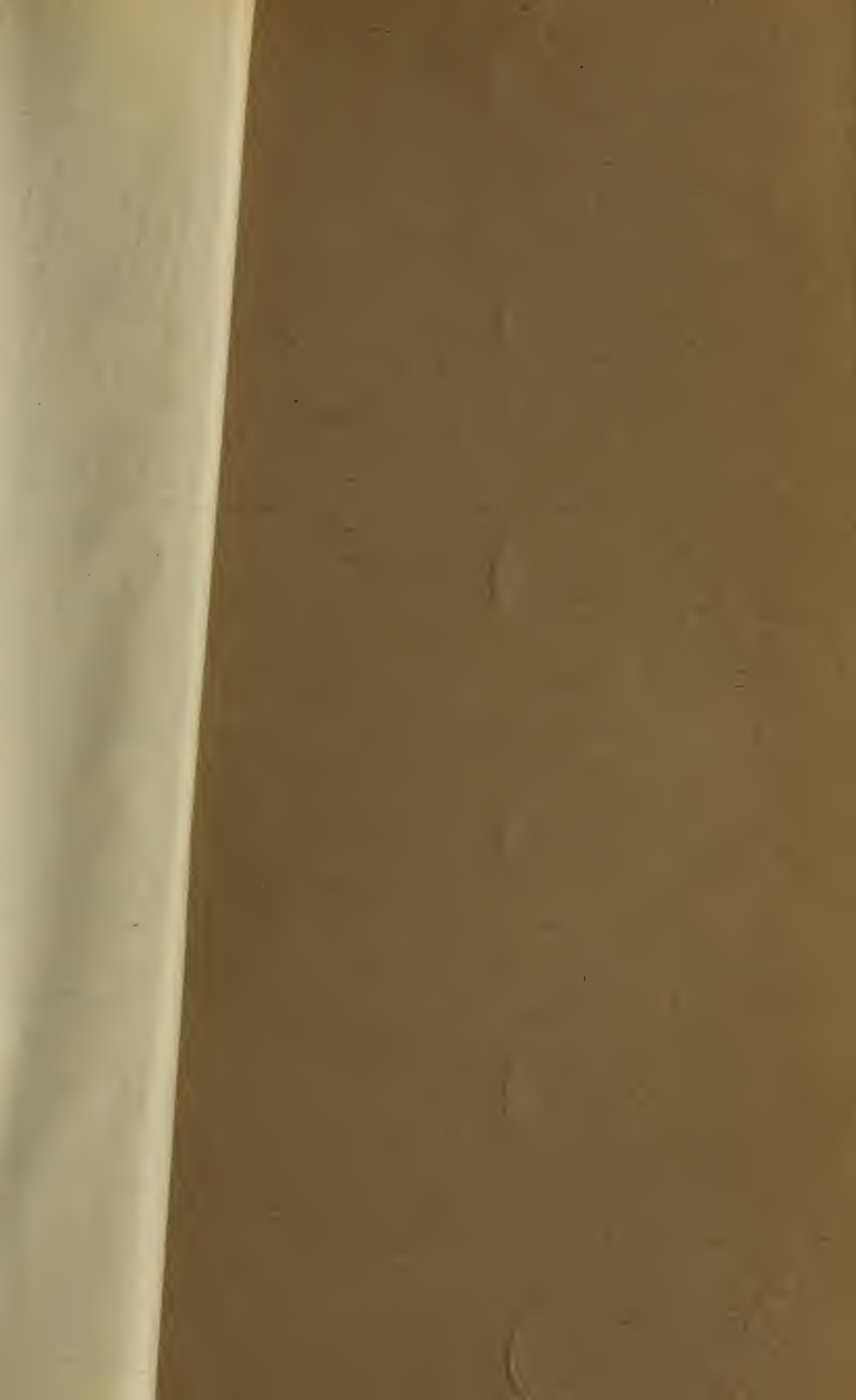
Daily Program, Winter Term, 1914 - 1915

DAILY PROGRAM, SPRING TERM, 1915

DEPARTMENT	TEACHER	ROOM	I 8:10 to 8:30	II 8:30 to 9:10	III 9:10 to 10:00	IV 10:00 to 11:00	V 11:00 to 12:00	VI 12:00 to 2:00
AGRICULTURE AND GEOGRAPHY	PHILLIPS FRATT	11B	2a Plant Prop.	2a Plant Prop.	2a Plant Prop.	2a Plant Prop.	2a Plant Prop.	
BIOLOGY	GANTZ	14	3 Algae & Fungi	7 Seed Plants	1a Gen. Zool.	1a Gen. Zool.	1a Gen. Zool.	
CHEMISTRY AND PHYSIOLOGY	WALTERS	21	8 Hygiene	2 Physiology	1a Gen. Chem.	1a Gen. Chem.	1a Gen. Chem.	
ECONOMICS	MORROW	D	3 Econ. Geog.	3 Econ. Geog.	1a Econ. Hist.	1a Econ. Hist.	1a Econ. Hist.	
EDUCATION	PHILLIPS HEDGON MORCHIEFER MORCHIEFER COLLETER DALL	1 2 C H 16 16	9 Sch. Admin. 3 Ed. Psychol. 1 Ed. Psychol. 12 Prin. Lang. 6 Eng. Lit. 1-2	9 Sch. Admin. 2 Adv. Psychol. 1 Ed. Psychol. 12 Prin. Lang. 2 Ind-yr Eng. 2-3	7 Prin. Teach. 0 R. H. Admin. 1 Ed. Psychol. 6 U. S. Mannng. 3rd-yr Eng. 1-3	11 Hist. Ed. 1-2 7 Prin. Teach. 1 Ed. Psychol. 12 Prin. Lang. 1 1st-yr Eng. 2-3	1a Gen. Chem. 1a Gen. Chem. 1a Gen. Chem. 1a Gen. Chem. 1a Gen. Chem.	
ENGLISH	MARTIN HUNAN TODD JAYNER	18 15 & 11 Henn Ex. H.	4a Am. Lit. 1-2 2 2nd-yr Eng. 1-2 (10) 7 Meth. in Read. 4 Fresh Comp. 1-2	4a Am. Lit. 2-3 3 2nd-yr Eng. 2-3 (Henn) 7 Meth. in Read. 4 Fresh Comp. 1-2	4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4	4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4	4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4 4a Am. Lit. 3-4	
GERMAN AND FRENCH	BARBER	7	1a 1st-yr Germ. 1-2	2a 2nd-yr Germ. 1-2	3a 3rd-yr Germ. 1-2	4a 4th-yr Germ. 1-2	5a 5th-yr Germ. 1-2	
HISTORY	HUNYON BARR McCLURE	12 3 22 & 1	2a Med. Hist. 1-2 2a Am. Hist. & Gov. 1-2 1a Orient. Hist. 1-2	2a Med. Hist. 2-3 2a Am. Hist. & Gov. 2-3 1a Orient. Hist. 2-3	2a Med. Hist. 3-4 2a Am. Hist. & Gov. 3-4 1a Orient. Hist. 3-4	2a Med. Hist. 4-5 2a Am. Hist. & Gov. 4-5 1a Orient. Hist. 4-5	2a Med. Hist. 5-6 2a Am. Hist. & Gov. 5-6 1a Orient. Hist. 5-6	
LATIN	SCARBOROUGH	6	2 Coll. Alg.	2 Coll. Alg.	2 Coll. Alg.	2 Coll. Alg.	2 Coll. Alg.	
MATHEMATICS	KENNEDY WILSON NICKERSON	9 10 10	2 Coll. Alg. 3 Teach. Arith. 1a El. Alg. 1-2	2 Teach. Arith. 1a El. Alg. 1-2 1a El. Alg. 1-2	2a Pl. Geom. 1-2 1a El. Alg. 1-2 1a El. Alg. 1-2	2a Pl. Geom. 2-3 1a El. Alg. 1-2 1a El. Alg. 1-2	2a Pl. Geom. 3-4 1a El. Alg. 1-2 1a El. Alg. 1-2	
PHYSICS	MORRIS	22	2 Adv. Phys.	2 Adv. Phys.	2 Adv. Phys.	2 Adv. Phys.	2 Adv. Phys.	
TRAINING SCHOOL	CHRISTMAN KENNEDY, SCOTT	Tr. H.	1a Gen. Theory	1a Gen. Theory	1a Gen. Theory	1a Gen. Theory	1a Gen. Theory	
COMMERCE	ELLIS	A	1a Writing	1a Writing	1a Writing	1a Writing	1a Writing	
ART	SHANNON HAINWOOD	Tr. B. Tr. B.	1a Drawing	1a Drawing	1a Drawing	1a Drawing	1a Drawing	
HOUSEHOLD ARTS	NOVELL	Tr. B.	6a Sewing	6a Sewing	6a Sewing	6a Sewing	6a Sewing	
INDUSTRIAL ARTS	HAINSWELL	Tr. B.	2a Food Study	2a Food Study	2a Food Study	2a Food Study	2a Food Study	
MUSIC	ATHENS	M. T. B.	1a Music 1-2	1a Music 2-3	1a Music 3-4	1a Music 4-5	1a Music 5-6	
PHYSICAL EDUCATION	SMITH TOMLINSON	Gym Gym	4th hour	4th hour	4th hour	4th hour	4th hour	

DEPARTMENT	TEACHERS	ROOM	I 8:10 to 9:10	II 9:10 to 10:00	III 10:10 to 11:20	IV 11:20 to 12:10	V 1:30 to 2:10	VI 2:10 to 3:00
AGRICULTURE AND GEOGRAPHY	PHILLIPS	11B	2a Plant Prop.	7 Bacteriology	3. Physiography 2-3	1 Gen. Geog R. 3		
	PRATT	11A			1a Grain Judging		1a Grain Judging	8 Farm Manag.
	F		3b Dairying	3c Animal Breed			1b Poultry	2a Live Stock
BIOLOGY	GANTZ	14	2 Gen. Bot.	0 Invert. Zool.	4 Gen. Zool	2 Algae & Fungi		7 Liverworts 9 Ferns & Mosses
CHEMISTRY AND PHYSIOLOGY	WALTERS	21	2 Hygiene	3 Physiology	1b Gen. Chem. 2-3	1a Gen. Chem. 1-2	7 Chem. of Foods	1b Analyt. Chem. 1-2
ECONOMICS	MORROW	D		4 Pub. Finance**	1a Econ. 1-2	3 Econ. Geog.	1b Econ. 2-3	1 Econ. Hist.
EDUCATION	PHILLIPS	1	11 Hist. Ed. 1-2	11 Hist. Ed. 1-2	11 Hist. of Ed. 2-2	11 Hist. of Ed. 2-2		
	HUDSON	2	11 Hist. Ed. 1-2	7 Prin. of Teach	9 Sch. Ad. *		8 Spec. Methods	7 Prin. of Teach.
	MCHEETERS	C	3 Ed. Psy.	1 R.R. Psychol	2 Adv. Psy		1 Ed. Psych.	0 R.R. Methods
ENGLISH	HUMPHREY	B		1 El. Psychol	7 Prin. Teach.	0 R. S. Manus	1st-yr Eng 2-3	2nd Eng (exam)
	COULTER	16		12 Prin. Lang.		1 yr. Eng 1-3		
	BALL	16	6 Eng. Lit. 2-2	3 3rd-yr Eng 1-2	3 3rd-yr Eng. 2-2	1 1st-yr Eng 2-2	14 Juv. Lit.	2 2nd-yr Eng 1-3
	MARTIN	13	4a Am. Lit. 2-3	4b 4th-yr Eng. 2-2	6 Fr. Comp. 1-3	11 Am. Poets		
	BRYAN	8m 15-18 16	2nd yr Eng. 2-2	2 3rd-yr Eng. 2-2	6 Fr. Comp. 2-2		6 Fresh Comp. 2-2	16 Tennyson
	TODD	8m	7 Meth Reading		21 Beg. Read. 1-3	21 Beg. Read. 1-3		2 R. S. 2nd-yr Eng 2-3
FRENCH AND GERMAN	AYERS	Fr Hal	5 Fr. Comp. 2-2	6 Fr. Comp. 2-2	4b 4th-yr Ger. 2-2	3 1st-yr Eng. 2-2	2 1st-yr	21 Pub. Works
	MARTIN	Gym	10 1st-yr Ger. 1-3	10 1st-yr Ger. 2-2	2a Cur. Hist.	8b Adv. Europ. History 2-2	1b 1st-yr Ger. 2-2	4b Eng. Hist. 2-2
	HENDRICKS	4		4a Eng. Hist. 1-2				2b Mod. Hist. 2-2
HISTORY	RUNYON	12	2a Med. Hist. 1-2	4b 10th Cent. Hist.	18 Meth. of Hist.		2b Med. Hist. 2-2	2c Mod. Hist. 2-2
	BASS	2	3a Am. Hist. 1-2	3b Am. Hist. 2-2	7b Adv. Am. Hist. 2-2	7b Am. Hist. & Gov. 2-2	1c Rom. Hist.	
	McCLURE	3	1b Greek Hist. 2-2	1c Rom. Hist. 2-2		6 Mo. State Hist. 2-2	1b Greek Hist. 2-2	1a Orient. Hist. 2-2
LATIN		8 7	5 Cicero 2-2	1b Vergil 2-2 1b Hor. Lat. 2-2		6a Prose Comp. 2-2	1a Beg. Lat. 1-2	2a Caesar 1-2 2b Caesar 2-2
	SCARBOROUGH	6	13 Ind. Math.	1a Adv. Geom. 1-2	3d Pl. Geom. 2-2	3b Pl. Geom. 2-2	12 Hist. Math.	
	KENNEDY	4	6 Trig.		3d Pl. Geom. 2-2	3 Teach. Math.	1a El. Alg. 1-2	10a Calculus 1-2
MATHEMATICS	URBAN	2	5 Sol. Geom.	(3rd-yr Math.) 4b Alg. 1-2		1a Pl. Geom. 1-2	7 Anal. Geom. 1-2	2 Teach. Arith.
	NICKERSON	10	1b El. Alg. 2-2	1c El. Alg. 2-2	2 Teach. Arith.		1b El. Alg. 2-2	4a Alg. 1-2 (3rd-yr Math)
	MORRIS	22	2 Mechanics 2-2	2 El. Phys. 2-2	6 Adv. Elect. 2-2	2 Gen. Science 2-2	2 El. Phys. 2-2	
TRAINING SCHOOL	CHRISMAN SCOTT, DENNIS	Tr. Sch	2 Kin. Theory 2-2 (Scott)	Supervision	Supervision	1 Observation (O'Connell)	2 Kin. Theory 2-2 (Scott)	6 Prim. Math. 2-2 (Dennis)
COMMERCE	ELLIS	A	1 Writing 1-2 2-2 2-2	1 Writing 1-2, 2-2, 2-2	7 2nd-yr Blenag 2-2	3b Typewriting 6 1st-yr Blenag	6 Bookkeeping 1-2, 2-2, 2-2 4 Farm Acct.	6 Typewriting
ART	SHANNON	Tr. Bld.	7 El. Book Bind		2 Design	3 Stencil and Block Print	1 Beg. Draw.	
	HARWOOD	Tr. Bld.		2 El. Persp.	3 El. Persp.	1 Beg. Drawing	4 Adv. Drawing	4 Adv. Draw
	NOVELL	Tr. Bld.	9 Meth. & [redacted]			7 Art. Needle Work	10 Textiles	
HOUSEHOLD ARTS	RAESELL	Tr. Bld.	El. House Mang. 2 Dietetics		1 Cookin Sec. 1 2-2 1 Cookin Sec 2 2-2	Men. Tues. Wed. Wed. Thur. Fri.		El. Sew 2-2
	AHRENS	M.T.B.	Ind. Art. In Ed. (Adv. 12)	Beg. Wood (El.) El. Shop (adv.1)	House Building Architectural	(Adv. 2) Draw. (Adv.1)	Adv. Shopwork Mach. Wood	Adv. 2 work, Adv. 2
	DES COMBES	M.T.B.					Forging (El. 7 & Sheet Metal Sheet Metal)	Adv. 3 (Adv. 2) (Adv. 7)
MUSIC	SOLOMON	O		Violoncello (private)	2 Methods Prim.	3b Music	Tr. School	3c Music
	HINDELL	1	Piano (private)	Piano (private)	1b Music 2-3	1b Music 2-2	1c Music 2-2	
	JAMES	P	1a Music 1-2	1b Music 2-2	1 Voice (Private)			1a Music 1-2
PHYSICAL EDUCATION	MEYER	L	2 Harmony 2-2	10 Hist. Music 2-2	3 Orchestration	Violon (private)	Cornet (private)	
	ALLEN	Gym			Phys. Exam.	2nd-yr Gym. 2-2	Theory of Games and Athletics	1st yr. Gym. 2nd-yr Athletic 2 40 to 2 00 Basket Ball
	SMITH TOMLINSON	Gym	Phys. Tr. II IV hour	Phys. Tr. II VI hour	Phys. Tr. II. 2 o'clock	Phys. Tr. I 2:30	4 30 Back B Jr. Phys. Tr. III	2 00 S R. Sr. Basket Ball

DEPARTMENT	TEACHER	ROOM	I 8:10 to 9:00	II 9:00 to 9:50	III 9:50 to 10:40	IV 10:40 to 11:30	V 11:30 to 12:20	VI 12:20 to 1:10
AGRICULTURE AND GEOGRAPHY	PHILLIPS	11B	2a Plant Products	2 Adv. Phys.	2a Plant Products	2a Plant Products	2a Plant Products	2a Plant Products
BIOLOGY	GANTZ	14	3 Gen. Bot.	7 Seed Plants	1a Gen. Zool.	1a Gen. Zool.	1a Gen. Zool.	1a Gen. Zool.
CHEMISTRY AND PHYSICS	WALTERS	21	2 Hygiene	2 Physiology	1a Gen. Chem.	1a Gen. Chem.	1a Gen. Chem.	1a Gen. Chem.
ECONOMICS	MORROW	D	3 Econ. Geog.	3 Econ. Geog.	1a Econ. Hist.	1a Econ. Hist.	1a Econ. Hist.	1a Econ. Hist.
EDUCATION	PHILLIPS	1	9 Sch. Admin.	9 Sch. Admin.	1a Sch. Admin.	1a Sch. Admin.	1a Sch. Admin.	1a Sch. Admin.
ENGLISH	MARTIN	18	4a Am. Lit. 1-2	4a Am. Lit. 2-3	4a Am. Lit. 3-4	4a Am. Lit. 4-5	4a Am. Lit. 5-6	4a Am. Lit. 6-7
ENGLISH	MARTIN	18	4a Am. Lit. 1-2	4a Am. Lit. 2-3	4a Am. Lit. 3-4	4a Am. Lit. 4-5	4a Am. Lit. 5-6	4a Am. Lit. 6-7
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ENGLISH	MARTIN	18	4a Am. Lit. 1-2	4a Am. Lit. 2-3	4a Am. Lit. 3-4	4a Am. Lit. 4-5	4a Am. Lit. 5-6	4a Am





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